Learning Journey

Python For Finance

Goal: To get a job in the finance industry as an IT engineer

You will get an explanation about

- Learning in Katalis.App
- Learning Curriculum in Katalis.App
- How to Register
- Learning Systematics Using the LMS

LEARN ON KATALIS.APP

Get a job in the finance industry with IT skills in just 1 - 5 months

Get a job in the finance industry with the Intensive Bootcamp program.
Hybrid learning scheme for 1 month/course with a learning commitment of 10 hours/week.
Get an internship or job opportunities with the finance companies that have become Katalis.App hiring partners

WHY FINANCE INDUSTRY?

Higher salary range compared to other industries

Much needed in the digital era

Opportunity to work in the first world countries

An essential skill that not many ordinary people master

PYTHON FOR FINANCE

Many financial services companies are now starting to switch from conventional models to big data-based technology models. One form of application is the use machine learning and Python.

The majority of libraries in Python are very supportive. The libraries are open-source and freely available makes it easier to carry out projects in financial terms. That's why the financial industry is competing to find Python and machine learning developers.

BENEFITS OF STUDYING ON KATALIS.APP

Curriculum according to industry needs

The material is designed for beginners so they can have a career as an IT specialist in the finance industry.

Feel free to set your study hours

Study anytime, anywhere, independently for 1 month for each course with a study commitment of 10 hours / week

Learn with a professional mentor

Live teaching sessions 3x a week with expert developers. Free to ask questions and consult material on this live session

Career in the finance industry

Be one of the IT talents who are being fought over by +2 million finance companies around the world

Portfolio Project

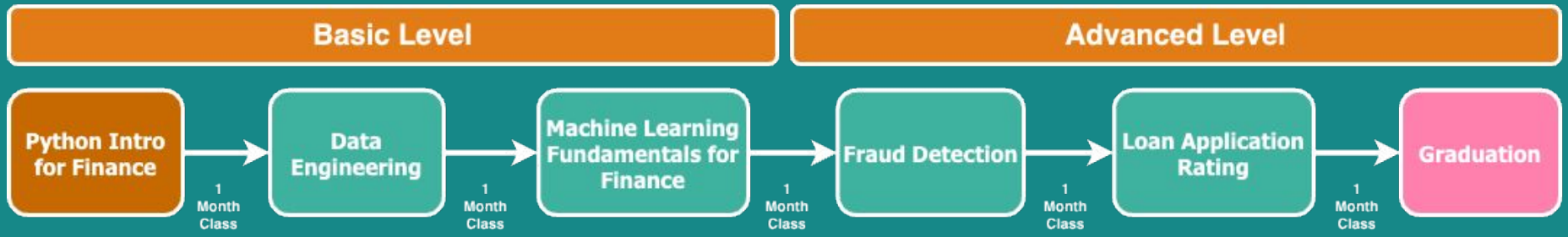
Create final projects with data analytics such as Time Series and Machine Learning.

Looking for Job

Helped to get a job at a hiring partner company after graduating.

Learning Syllabus on Python for Finance

LEARNING JOURNEY



SEQUENCE OF LEARNING PHASE IN KATALIS.APP

Phase 1 - Beginner Level

Introduction to Python

1 Month of Study - Basic Level

In this module, you will learn thoroughly about the basics of programming using Python. The material to be studied in this module includes:

1. Get Started with Python
2. Python Data Types
3. Python Operators
4. Python Control Flows
5. Python Functions
6. Python Error Handling
7. Python File Handling
8. Python Modules and Libraries

Data Engineering

1 Month of Study - Basic Level

In this module, you will study data analysis in depth, starting from pulling data from databases, preparing and cleaning data, analyzing data using statistical methods and data visualization, to displaying data in the form of dashboards.

Machine Learning

1 Month of Study - Basic Level

In this module, you will learn the fundamentals of the theory and implementation of machine learning algorithms using Scikit-Learn (Python).
Apart from that, you will also understand feature engineering and various other methods for optimizing the data you have, as well as deployment simulations for machine learning models.

Here you will learn:

1. Introduction to Machine Learning
2. Types of Machine Learning

SEQUENCE OF LEARNING PHASES IN KATALIS.APP

Phase 2 - Advanced Level

Fraud Detection

1 Month of Study - Advanced Level

In this module, you will learn thoroughly about the basics of programming using Python.

1. Introduction to Fraud Detection
2. Data Pre-Processing: Reducing Memory Dataset; Merging Dataframes; Defining Variables; Data Cleaning; Data Transformation; Handling Imbalanced Datasets
3. Building Machine Learning Model Evaluate Machine Learning Model: Confusion Matrix; Accuracy, Precision, Recall, F1 Score; AUC ROC Score; Code Examples
4. Hyperparameter Tuning Model

Loan Application Rating

1 Month Study - Professional Level

In this module, you will learn thoroughly about the basics of programming using Python.

1. Introduction to Loan Application Rating Data Pre-Processing & Feature Selection : Load Dataset; Defining Variables; Data Cleaning; Data Transformation; Feature Selection
2. Building Machine Learning Model Evaluate Machine Learning Model : Precision, Accuracy, Recall, F1 Score, ROC AUC Score; Confusion Matrix Hyperparameter Tuning Model

GRADUATION

After completing all these classes. You can then be declared a graduate and will be helped to get a job at a Katalis.App partner company

STUDY METHOD

For 1 month for 1 class [if you take 5 classes until graduation, then the learning duration is 5 months], you will study using the hybrid learning method

Online - Self Learning

1. Total learning hours: 35 hours in each course
2. Recommended study time: 10 hours per week (completed in 25 days)
3. Determine for yourself how much time you will spend studying this class material while you are still actively enrolled in the class

Online - Live Learning

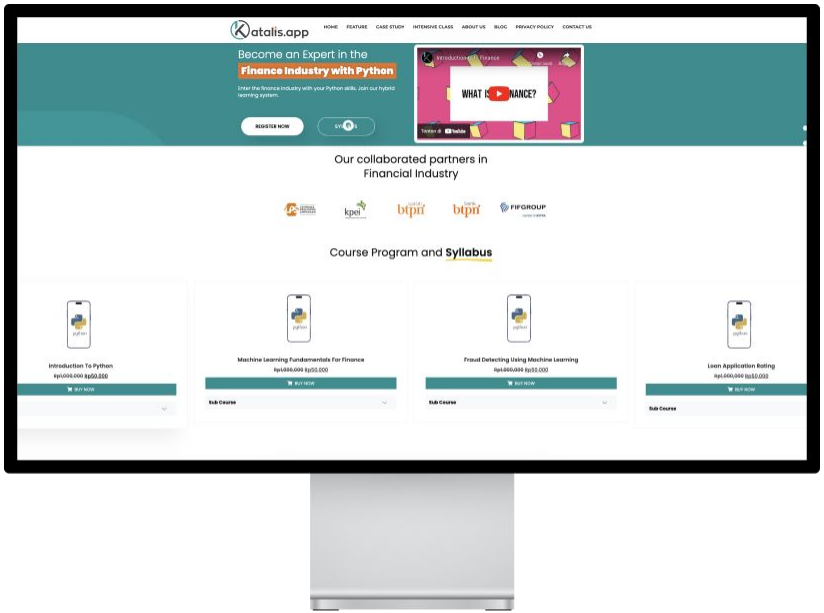
1. 3x Meetings / Week
2. Monday, Wednesday and Friday. Starting at 20.00 - 22.00 SGT
3. In this class, you can discuss & ask questions with the facilitator and your classmates in class

A Career in the Finance Industry Awaits You!
Go live
Macbook Air

Katalis.App

PYTHON FOR FINANCE

CLASS BUYING TUTORIAL



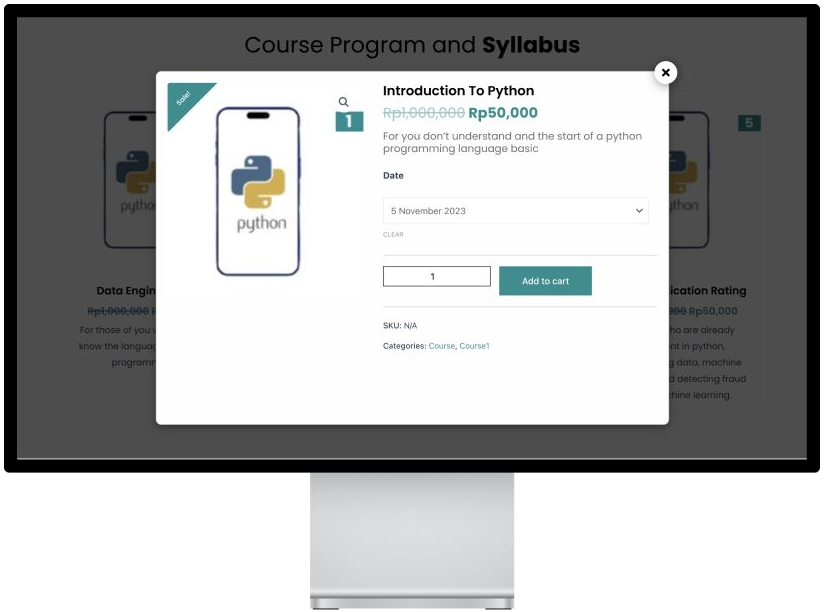
1. **Open the website www.katalis.app**
2. **Select the Intensive Class menu**

3. Choose a class starting from the basic "Introduction to Python"

Click buy now

PYTHON FOR FINANCE

CLASS BUYING TUTORIAL



4. Enter the cart page

Confirm the number of class slots taken

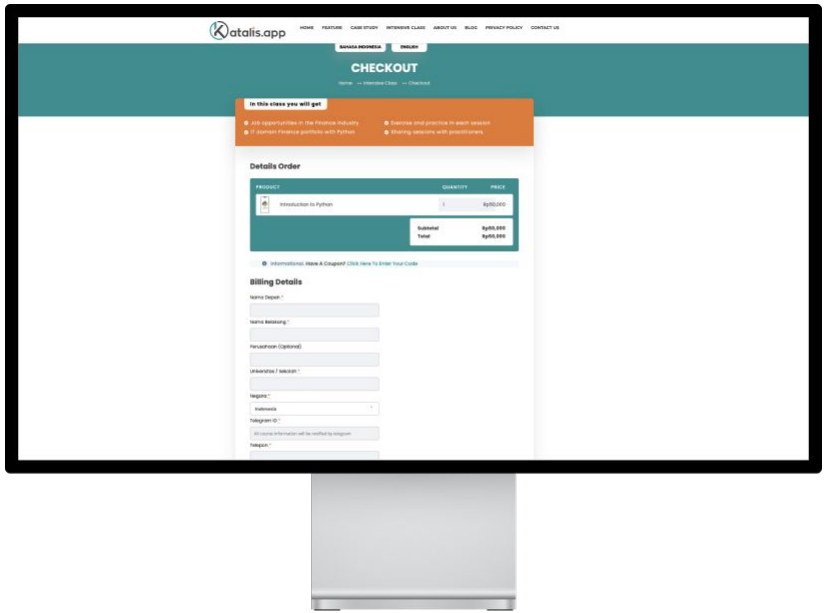
Nb: Enter the coupon if you have it

5. Checkout process

Confirm order details and enter personal data

PYTHON FOR FINANCE

CLASS BUYING TUTORIAL

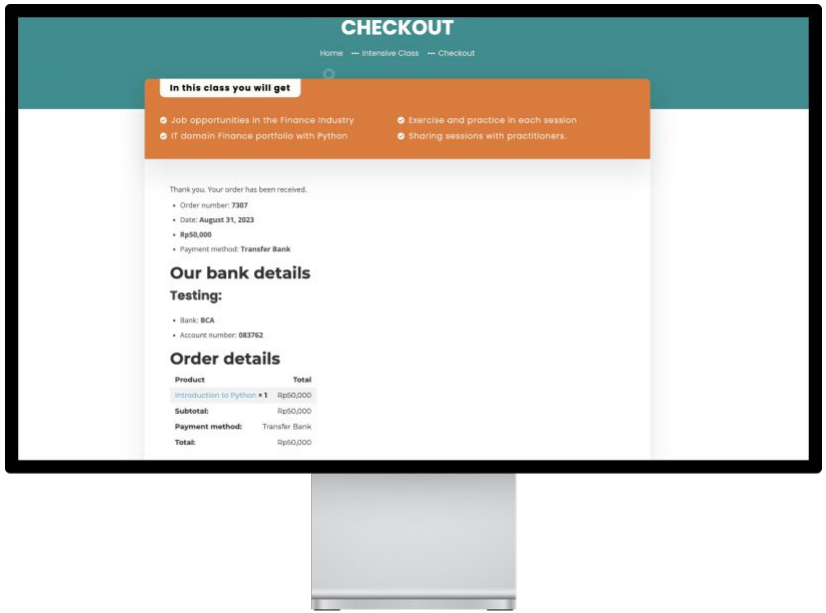


Fill in your personal data completely and accurately

[Because the data will also be used as a reference for hiring Katalis.App partners]

PYTHON FOR FINANCE

CLASS BUYING TUTORIAL



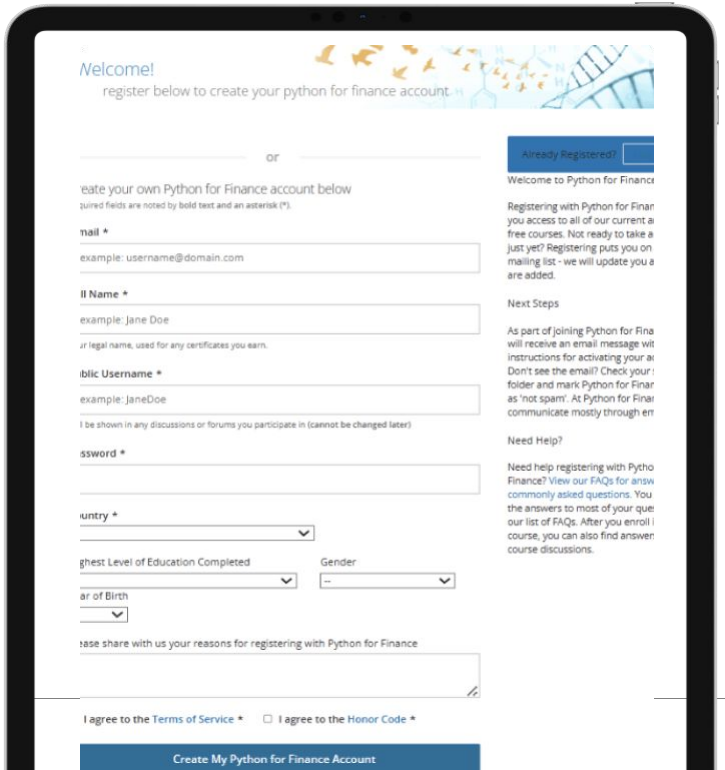
6. Payment

Make sure to pay the amount according to the bill.

Done

Congratulations! You are already registered as a student. Next step is to create account in Katalis.app LMS

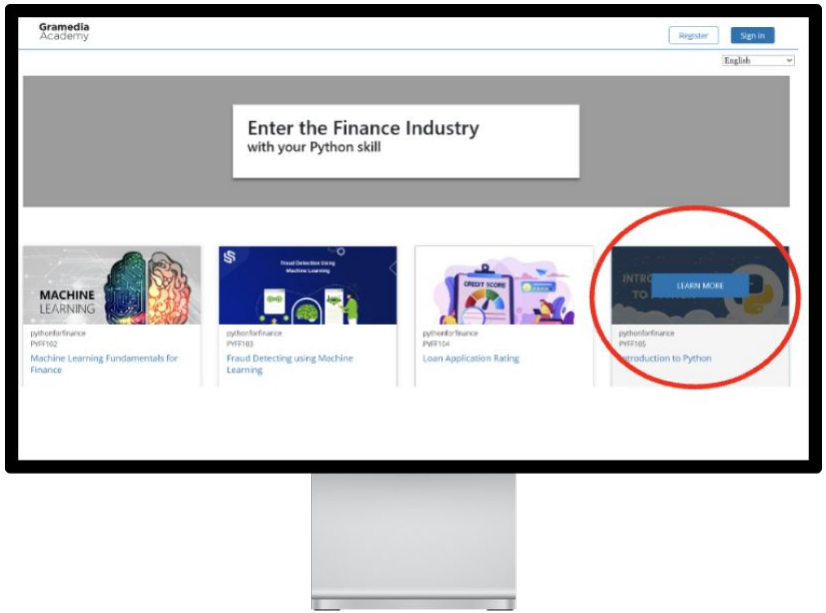
Registration in LMS Account



Register Python for Finance account

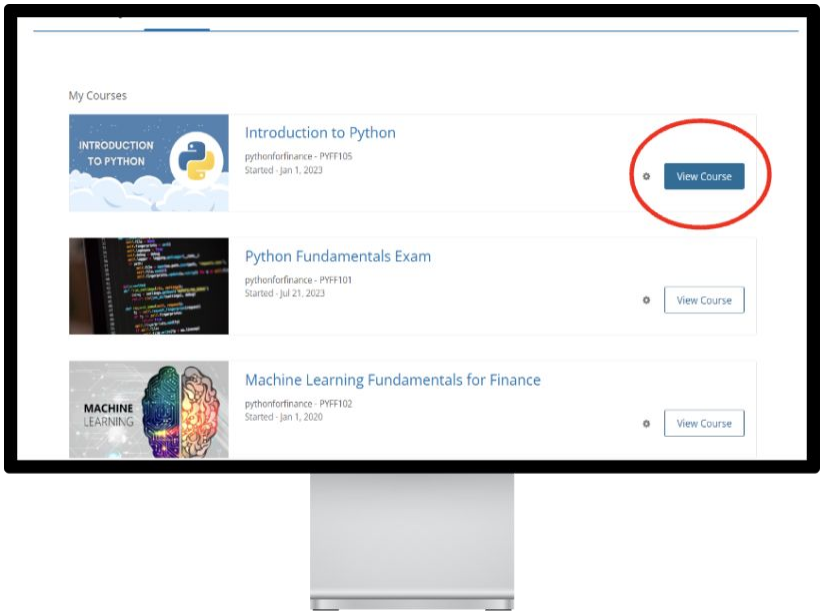
Click the link '[Register for Python for Finance](#) | Python for Finance (katalis.app)'

Choosing a Course to Study



Select the course you want to follow then select "Enroll".

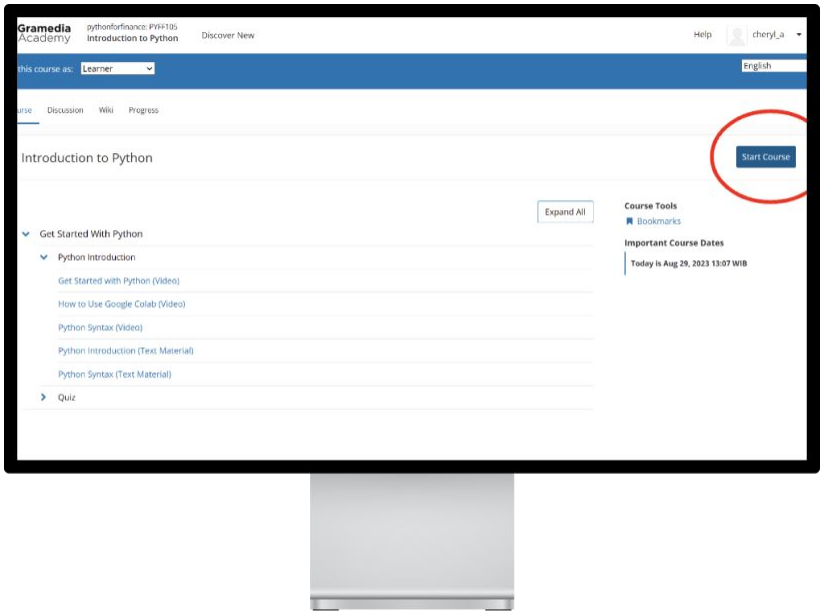
Choosing a Course to Study



After "Enrolling" into the course, the course will appear in "My Courses".

Click "View Course" to enter the course details.

Starting a Course on LMS

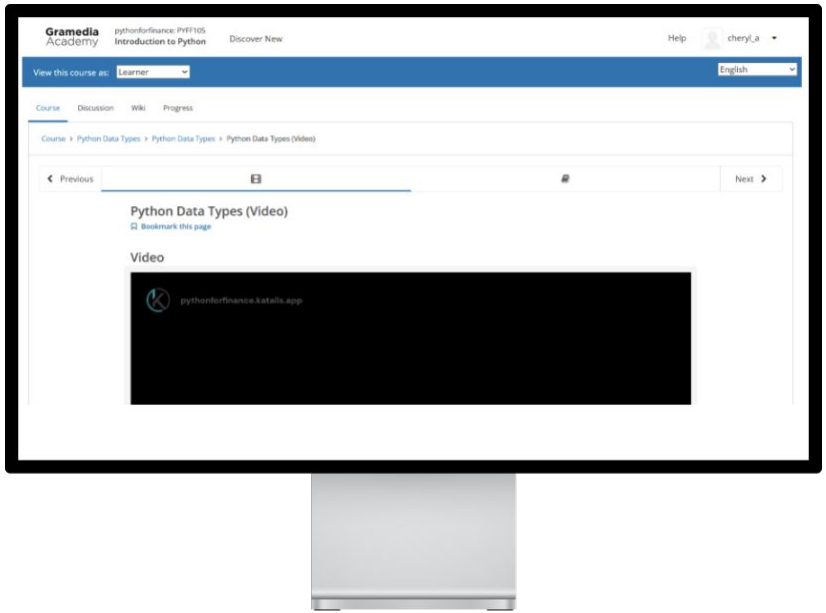


To start the course, you can press the "Start Course" button.

Learning
Approach
Go live
Macbook Air

PYTHON FOR FINANCE

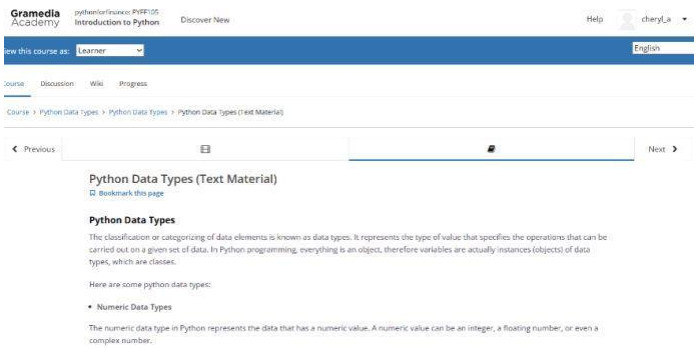
Self Learning with LMS

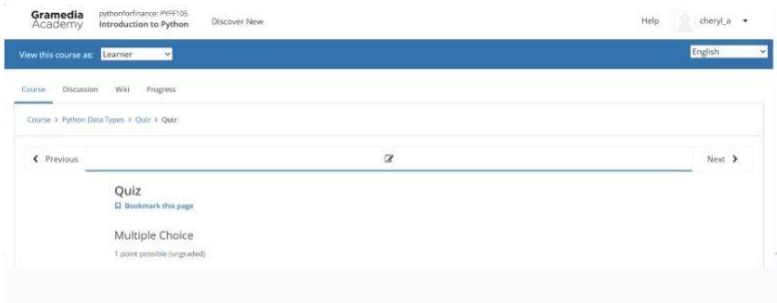


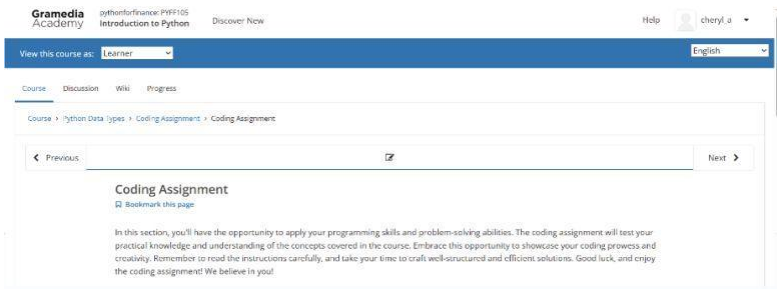
In the course, learners will receive material in the form of videos, text material, as well as quizzes and coding assignments.

PYTHON FOR FINANCE

Self Learning with LMS







PYTHON FOR FINANCE

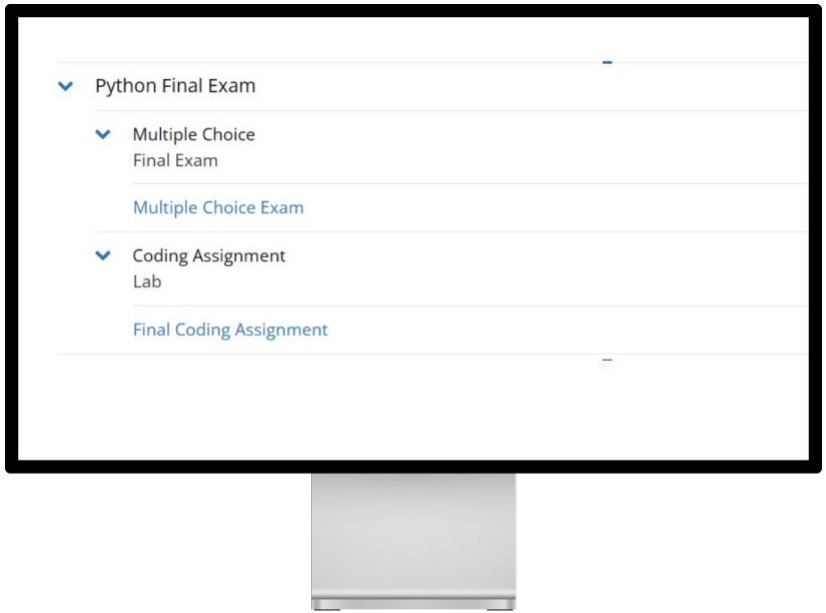
Live Online Session

Learners will also get a live online session for discussions and Q&A with the facilitator. Before attending a live class session, learners need to read the material provided first.

In addition, coding is also carried out to better understand the material that has been read

PYTHON FOR FINANCE

Certificate Issuance



To get a certificate, learners need to complete the entire series of courses first and take the **Final Exam and Final Coding Assignment (Project) that have been provided.**

KATALIS.APP GRADUATE SKILLS

Our graduates are formed to have IT skills that are relevant to the needs of the finance industry in the digital era

HARD SKILLS

Used Python and SQL to analyze data from different sources.
Able to draw conclusions from data for business needs.
Able to visualize data on various platforms.
Create Machine Learning projects with neural networks and time series to support business decisions.
Able to process data with various tools and data libraries.
Able to manage and analyze Big Data.
Able to design, create and process databases and data warehouses for business needs.

SOFT SKILLS

Growth Mindset to be able to continue to learn and develop, especially for IT jobs in the finance industry.
Analytical Thinking to have a systematic mindset.
Critical Thinking in order to be able to think critically to solve problems.
Effective Communication to be able to communicate effectively.

WHAT DO ALUMNIS SAY?

Eko Priambudi

Thanks to Katalis.App for helping me understand more about Python programming.

The material provided is very easy to learn and useful. Thank you very much!

Idham Maulana

The material is presented very well and gradually. The mentor was also very patient in guiding me from the basic level to being able to code independently

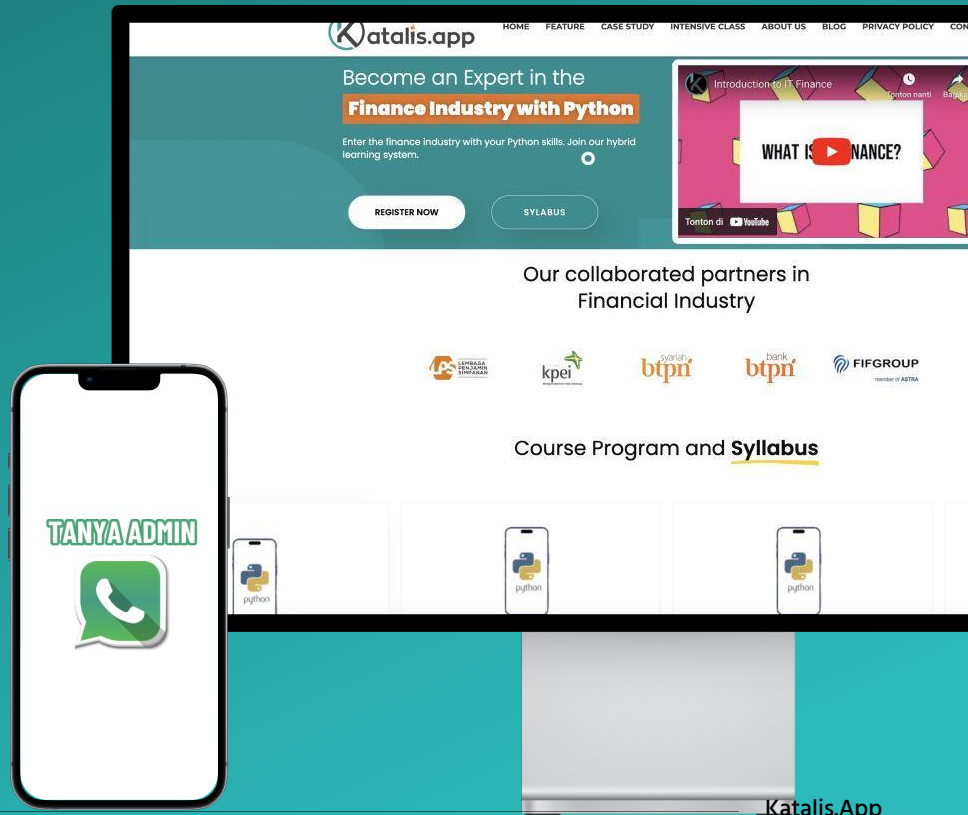
KATALIS.APP PARTNER

PYTHON FOR FINANCE

Have a question about this class?

Ask directly to our Academic Consultants

Ask Admins



Start an IT Career in the Finance Industry

Now!

Contact us:

Email : sales@katalis.app
Instagram : @katalis.app
Telegroup : Join Telegroup

LEARNING JOURNEY

KATALIS.APP

Start your IT career in the Finance Industry with Katalis.App

From now on

Learn at Katalis.App

Learning Curriculum on Katalis.App

Study Investment Costs

How to Register Class

Systematics of Learning Using LMS

LEARN IN CATALIS.APP

Transforming Beginners into Job-ready IT Talents in just 1 month

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Start your career in IT with the *Intensive Bootcamp program* . *Hybrid learning* scheme **for 1 month/course** with **a study commitment of only 10 hours/week** . Get job distribution assistance facilities to finance companies that have become Katalis.App *hiring partners*

WHY **FINANCE INDUSTRY** ?

1. The salary range is higher than other industries

2. Much needed in the digital era

3. Opportunity to work abroad

4. Essential skills that not many ordinary people master

PYTHON FOR FINANCE

Many financial service companies are now starting to switch from conventional models to **big data-based technology models. One form of application is the use of the Python programming language.**

The majority of the libraries owned by Python are very supportive. Its open-source and freely-available nature makes it easy to carry out projects in financial terms. That's why **the financial industry** is scrambling to find Python programmers.

BENEFITS OF STUDYING ON KATALIS.APP

Curriculum according to industry needs
The material is designed for beginners so they can have a career as an IT specialist in the finance industry

Feel free to set your study hours
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Live teaching sessions 3x a week with expert developers. Free to ask questions and consult material from 19.00 - 21.00 WIB

Career in the finance industry
Be one of the IT talents who are being fought over by +2 million finance companies around the world

Portfolio Project
Making final projects with data analytics such as Time Series and Machine Learning .

Looking for Job
Assisted in getting a job at a *hiring* partner company after graduation.

Study in Catalyst.App

Learning Curriculum in Catalyst.App

Study Investment Costs

How to Register Class

Systematics of Learning Using LMS

SEQUENCE OF LEARNING PHASES IN KATALIS.APP

Phase 1 - Beginner Level

Introduction to Python

1 Month of Study - Basic Level

In this module, you will learn thoroughly about the basics of programming using Python.

The material to be studied in this module includes:

1. Get Started with Python
2. Python Data Types
3. Python Operators
4. Python Control Flows
5. Python Functions
6. Python Error Handling
7. Python File Handling
8. Python Modules and Libraries

Data Engineering

1 Month of Study - Basic Level

In this module, you will study data analysis in depth, starting from pulling data from databases, preparing and cleaning data, analyzing data using statistical methods and data visualization, to displaying data in the form of dashboards.

Machine learning

1 Month of Study - Basic Level

In this module, you will learn various theoretical fundamentals and implementation of machine learning algorithms using Scikit-Learn (Python). Apart from that, you will also understand feature engineering and various other methods for optimizing the data you have, as well as deployment simulations for machine learning models.

Here you will learn

1. Introduction to Machine Learning:
2. Types of Machine Learning

miro

SEQUENCE OF LEARNING PHASE IN KATALIS.APP

Phase 2 - Advanced Level

Fraud Detection

1 Month of Study - Basic Level

In this module, you will learn thoroughly about the basics of programming using Python.

1. Introduction to Fraud Detection
2. Data Pre-Processing: Reducing Memory Dataset; Merging Dataframes; Defining Variables; Data Cleaning; Data Transformation; Handling Imbalanced Datasets
3. Building Machine Learning Models
4. Evaluate Machine Learning Model: Confusion Matrix; Accuracy, Precision, Recall, F1 Score; AUC ROC Score; CodeExamples
5. Hyperparameter Tuning Models

Loan Application Rating

1 Month of Study - Basic Level

In this module, you will learn thoroughly about the basics of programming using Python.

1. Introduction to Loan Application Ratings
2. Data Pre-Processing & Feature Selection : Load Dataset; Defining Variables; Data Cleaning; Data Transformation; Feature Selection
3. Building Machine Learning Models
4. Evaluate Machine Learning Model: Precision, Accuracy, Recall, F1 Score, ROC AUC Score; Confusion Matrix
5. Hyperparameter Tuning Models

Graduation

miro

1 Month of Study - Basic Level

After completing all these classes. You can then be declared a graduate and will be helped to distribute work to Katalis.App partner companies

Study in Catalyst.App

Learning Curriculum in Catalyst.App

Study Investment Costs

How to Register Class

Systematics of Learning Using LMS

COST OF EDUCATION

1,000,000 / Class

95% off

50,000

Python For Finance class

STUDY METHOD

For 1 month for 1 class [if you take 5 classes until *graduation,* then the learning duration is 5 months *]* , you will study using the ***hybrid learning method***

- **Online - Self Learning**
  - Total learning hours: 35 hours in each course
  - Recommended study time: 10 hours per week (completed in 25 days)
  - Determine for yourself how much time will be used to study this class material as long as you are still actively enrolled in class

- **Online - Live Teaching**
  - 3x Meetings / Week
  - Monday, Wednesday and Friday. Starting at 19.00 - 21.00 WIB
  - In this class you can discuss & ask questions with the facilitator and friends in class

A Career In The Finance Industry Awaits You!

Sign up now

Study in Catalyst.App

Learning Curriculum on Katalis.App

Study Investment Costs

How to Register Class

Systematics of Learning Using LMS

Purchase Class

1. Open the website www.katalis.app
2. Select the **Intensive Class menu**

3. Select a class starting from basic “Introduction to Python”

Click buy now

4. Go to the basket page [cart]
Confirm the number of class slots taken

Nb: Enter if there is a coupon

5. *Checkout process*
Confirm order details and enter personal data

Fill in your personal data completely and appropriately

[Because the data will also be used as a reference for hiring Katalis.App partners]

6. Payment

Make sure to choose the correct payment code. Because it can't be reproduced

Finished

Happy! You are already registered as *a student* at Katalis.App

Study in Catalyst.App

Learning Curriculum on Katalis.App

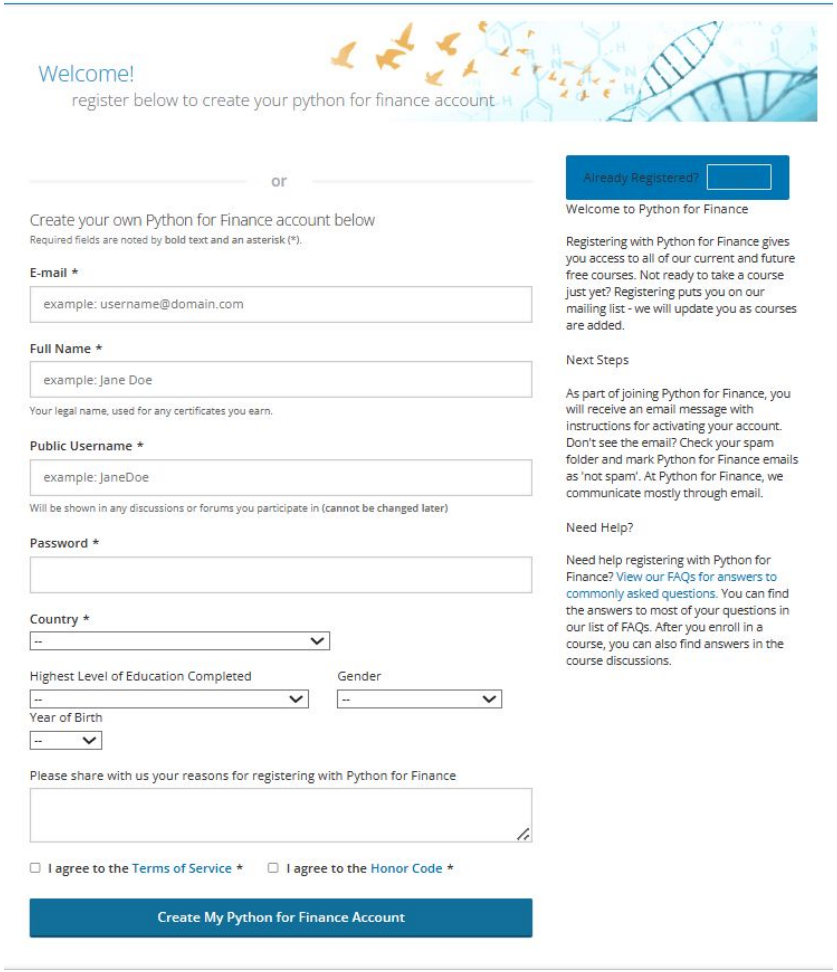
Study Investment Costs

How to Register Class

Systematics of Learning Using LMS

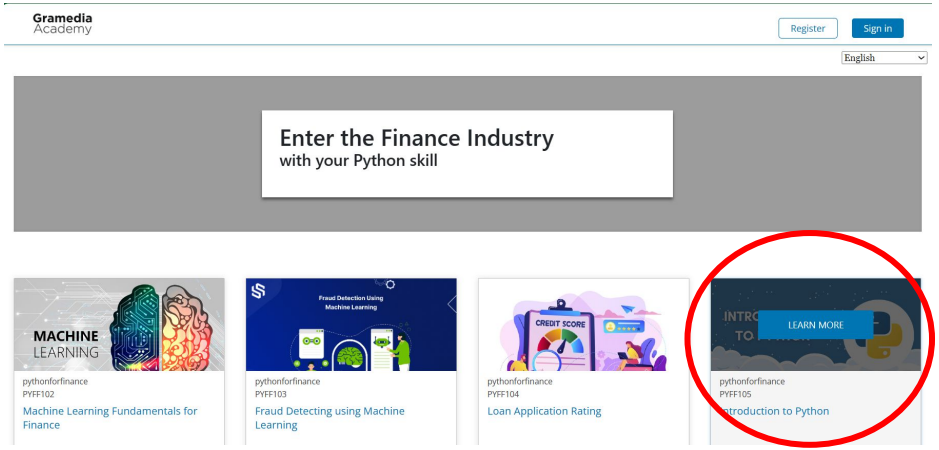
Registration in LMS Account

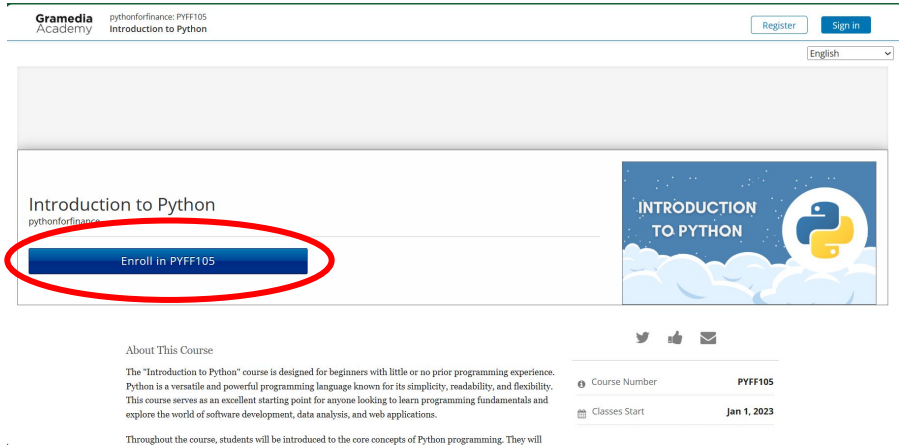
1. Register a Python for Finance account on the link ' Register for Python for Finance | Python for Finance (catalyst.app) '



Choosing a Course to Study

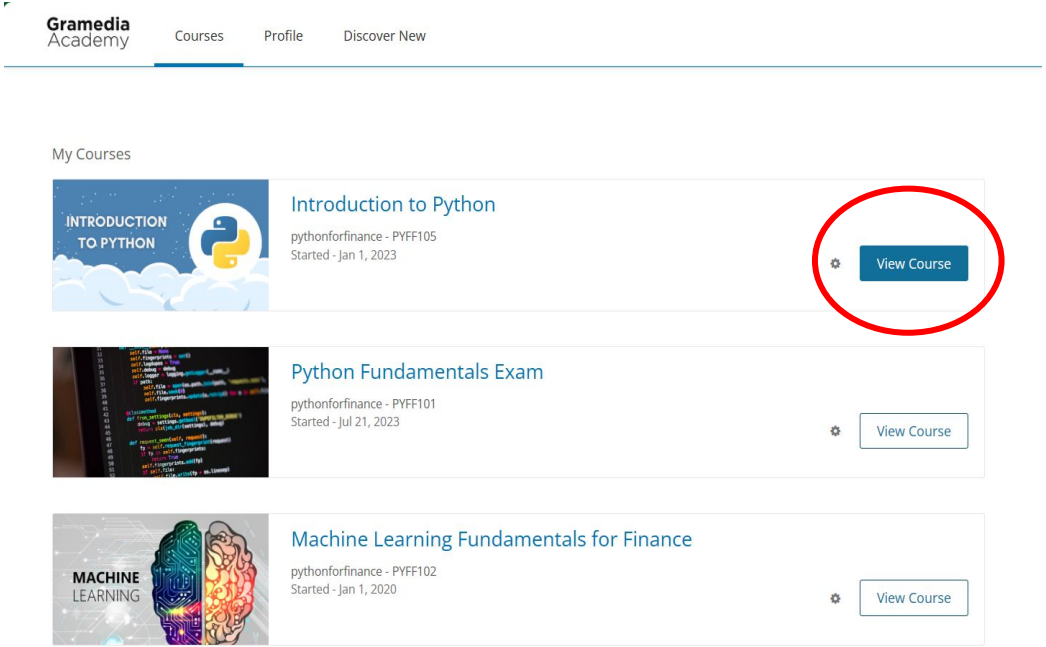
2. Select the course you want to take then select "Enroll".





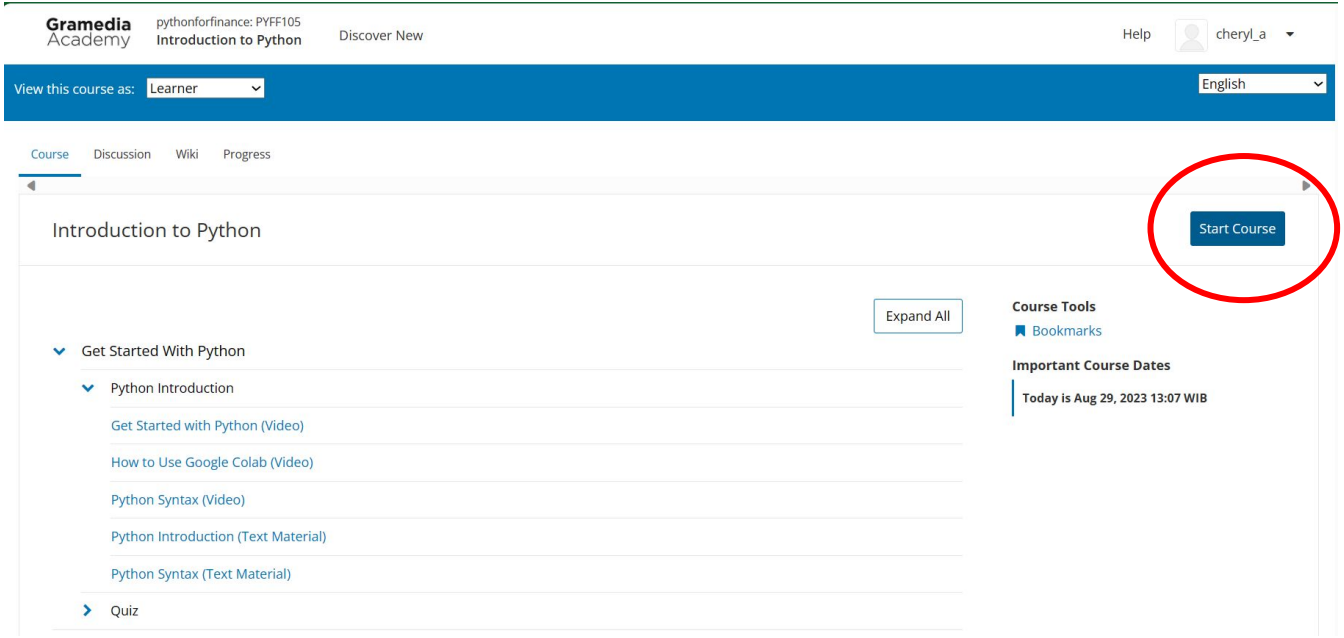
Choosing a Course to Study

2. After "Enroll" into the course, the course will appear in "My Courses". Click "View Course" to enter into the course details.



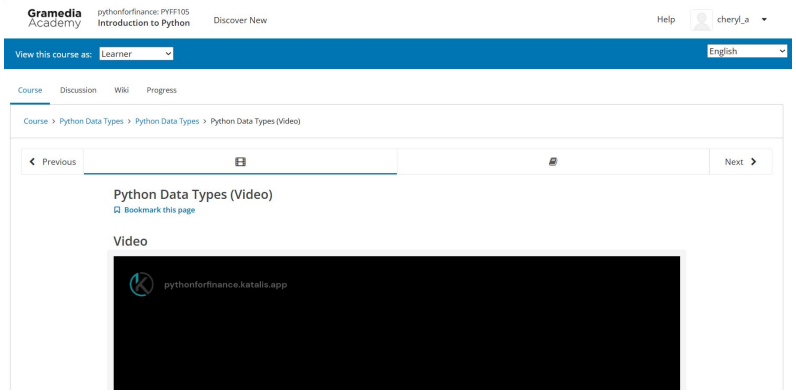
Starting a Course on LMS

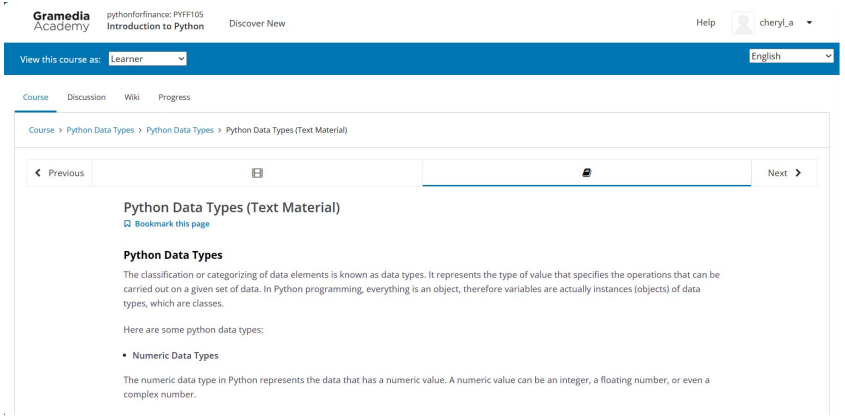
3. To start the course, you can press the "Start Course" button.

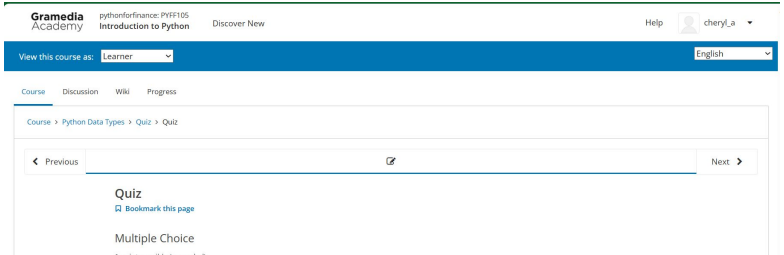


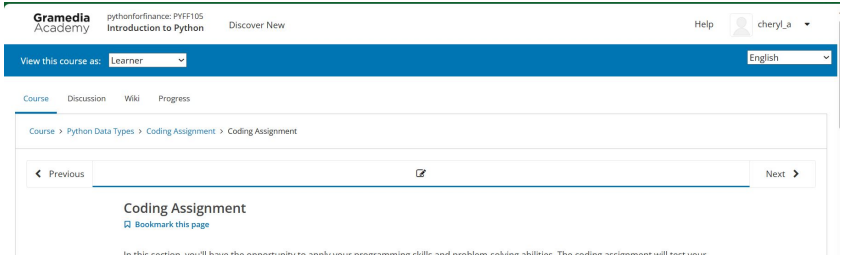
Independent Learning with LMS

4. In the course, learners will receive material in the form of videos, text materials, as well as quizzes and coding assignments.







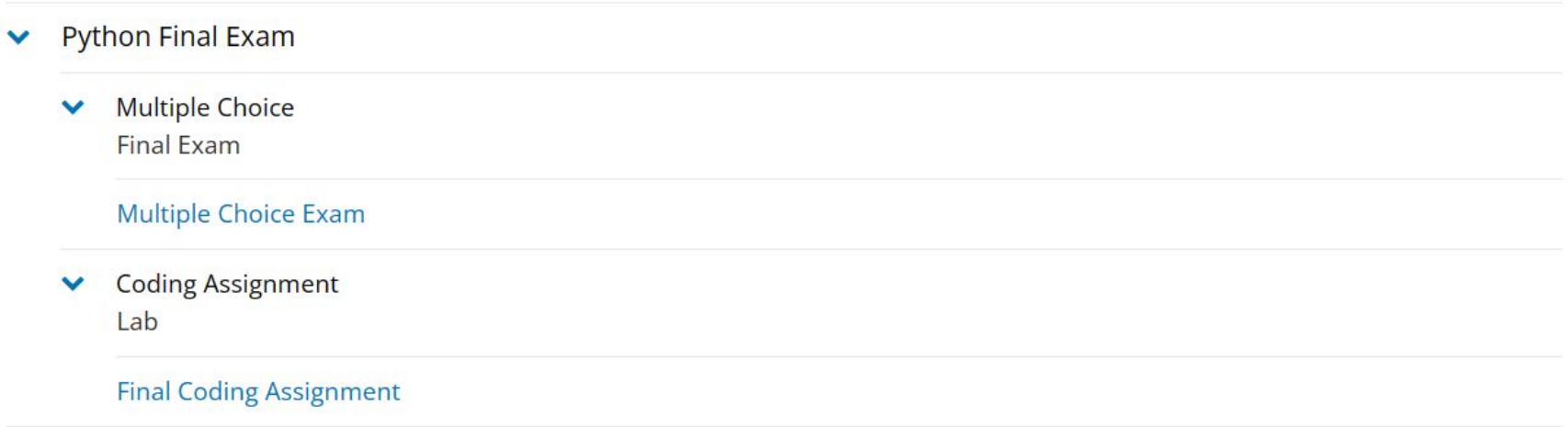


Live Session Class

5. Learners will also get a live session class for discussion and questions and answers with the facilitator. Before taking part in a live session class, learners need to read the material provided first. Apart from that, there is also *coding* together to better understand the material that has been read.

Certificate Issuance

6. To get a certificate, learners need to complete all series of courses first and take the Final Exam and Final Coding Assignment (Project) that have been provided.



SKILL GRADUATE KATALIS.APP

Our graduates are formed to have IT skills that are relevant to the needs of the finance industry in the digital era

Hard Skills

- Used Python and SQL to analyze data from different sources.
- Able to draw conclusions from data for business needs.
- Able to visualize data on various platforms.
- Creating Machine Learning projects with neural networks and time series to support business decisions.
- Able to process data with various tools and data libraries.
- Able to manage and analyze Big Data.
- Able to design, create and process databases and data warehouses for business needs.

Soft Skills

- Growth Mindset to be able to continue to learn and develop, especially for IT jobs in the finance industry.
- Analytical Thinking to have a systematic mindset.
- Critical Thinking in order to be able to think critically to solve problems.
- Effective Communication to be able to communicate effectively.

STUDENT TESTIMONIALS

Thank you to Katalis.App for helping me better understand programming material in Python. The material provided is very easy to learn and useful. Thank you very much!

Eco Priambudi

The material is presented very well and gradually. The mentor was also very patient in guiding me from the basic level to being able to code independently

XXXX

KATALIS PARTNER.APP

Have questions about this class?

Ask our *Academic Consultant directly*

Whatsapp