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CERTIFIED

Python & Java

Launch Your Career in Python and Java

As technology keeps changing, learning programming languages like Python and Java has become more important than ever. Digitalearn's Python and Java course is designed to help beginners and those with some experience in programming build strong coding skills.

This course covers both Python and Java, giving you a chance to learn two powerful programming languages. You will learn how to write simple code, solve problems, and build small projects. Whether you want to start a career in software development, web development, or automation, this course is a great way to begin.

Python: Learn how to write easy-to-understand code, use libraries, and build programs for web development, data analysis, and automation.

Java: Master how to write strong, efficient code for building apps, games, and web services. Learn the basics of object-oriented programming, a key skill in the programming world.

Join the Python + Java combo course and become a skilled developer. With these two languages, you'll open doors to many exciting job opportunities. Learn the skills you need to succeed in today's tech world.

Key Feature to Determine Success

- Live Projects
- Exam Simulation
- Access to Recorded Sessions
- 40-Hour LIVE Instructor-led Training
- Updated Content (Market Trends)
- Class Feedback with Assigned Advisor
- Micro Batches (10 Students per Class)
- Individual Doubt Sessions
- Career Guidance and Mentorship
- Practical Sessions (Online)

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How this program works differently with highlighted **Key Solutions** ?

Career Preparation

- Mock Interview Prep (Technical + Behavioral)
- Resume Building (Ready-to-use Templates)
- Job Application Guide (Tips for Finding the Right Job)
- Internship Benefits (Hands-on Experience with Tools)

Practical Learning

- Live Projects (5+ Real-World Projects)
- Practical Sessions (Interactive Online Learning)
- Updated Tools and Techniques

Learning Support

- Personality Development Classes (Enhance Soft Skills)
- Class Recordings (Access Anytime for Review)
- E-books (Comprehensive Learning Materials)

Certification and Exams

- Exam Simulation (Prepare Effectively)
- Exam vouchers (Subject to Availability)

Ongoing Mentorship

- Lifetime Career Mentorship (Guidance Throughout Your Career)

Continuous Learning

- Updated Content (Stay Current with Market Trends)
- Demos (Optional Hands-on Demonstrations)

Python and Java Training Curriculum

Python Course: Learn to Code with Python

Module 1: Introduction to Python Programming
- What is Python?
- Installing Python on your computer
- Writing your first Python program

Module 2: Variables and Data Types
- Understanding variables
- Different types of data: integers, strings, floats, and booleans
- How to work with numbers and text

Module 3: Basic Operations and Operators
- Addition, subtraction, multiplication, and division
- Using operators in Python
- Modulus and exponentiation

Module 4: Control Flow: If, Else, and Elif
- How to make decisions in code
- Using if, else, and elif statements
- Examples of control flow in programs

Module 5: Loops: **For** and **While**
- Repeating tasks with for and while loops
- Using loops to handle lists and ranges
- Writing simple loop-based programs

Module 6: Functions
- What is a function in Python?
- How to create and call functions
- Using parameters and return values

Module 7: Lists and Tuples
- Understanding lists and tuples
- How to store multiple items
- How to work with lists and tuples in Python

Module 8: Dictionaries and Sets

- What are dictionaries and sets?
- Storing data in key-value pairs with dictionaries
- Working with sets for unique values`

Module 9: File Handling

- Opening and closing files
- Reading from and writing to files
- Managing file data

Module 10: Error Handling and Debugging

- Handling errors with try and except
- How to debug simple mistakes
- Fixing common Python errors

Module 11: Object-Oriented Programming (OOP)

- What is OOP?
- Understanding classes and objects
- Creating your first Python class

Module 12: Python Libraries and Modules

- Using Python libraries
- Importing and using external code
- Working with popular libraries like **math**, **os**, and **random**

Module 13: Python Project

- Building a simple project with Python
- Applying everything you've learned
- Creating a program that solves a real-world problem

Java Course: Learn Java Programming

Module 1: Introduction to Java Programming
- What is Java?
- Installing Java and setting up your environment
- Writing your first Java program

Module 2: Variables and Data Types
- What are variables in Java?
- Understanding primitive data types
- Working with numbers, text, and booleans in Java

Module 3: Operators in Java
- Using arithmetic, relational, and logical operators
- How to perform operations in Java
- Examples of operators in code

Module 4: Control Flow: **If**, **Else**, and **Switch**
- Making decisions with if, else, and switch statements
- Using conditions in your code
- How to write simple decision-making programs

Module 5: Loops: For and While
- Repeating tasks using loops
- **for** loops for repeating fixed numbers of times
- **while** loops for repeating based on conditions

Module 6: Arrays
- What is an array in Java?
- Storing and accessing multiple values in arrays
- Basic operations on arrays

Module 7: Functions and Methods
- Creating functions (methods) in Java
- Passing values to functions and returning results
- How to call and use methods in your code

Module 8: Object-Oriented Programming (OOP)
What is OOP in Java?
Understanding classes, objects, and inheritance
Writing your first Java class and creating objects

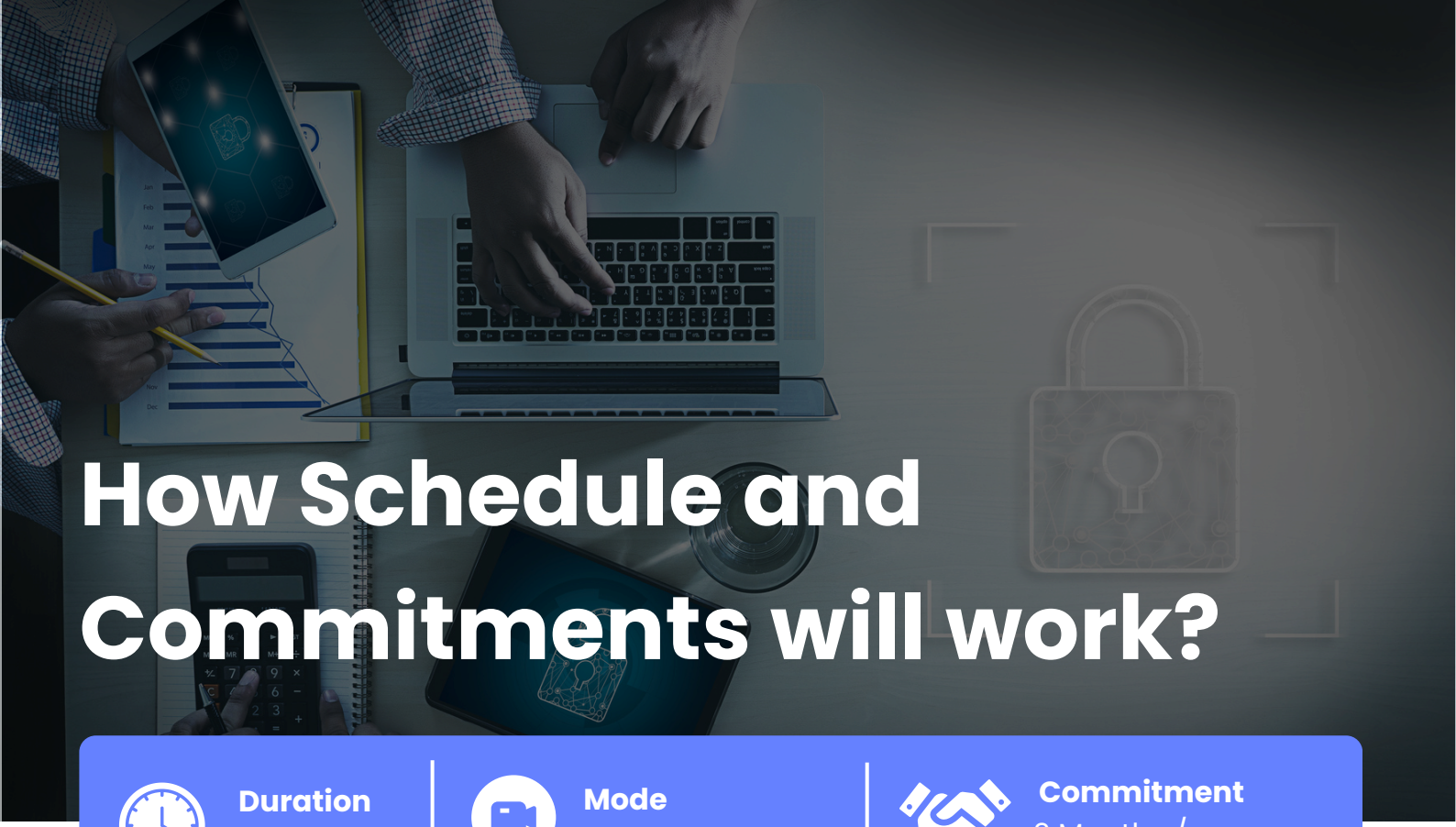
Module 9: Exception Handling
How to manage errors in Java using try, catch, and finally
Common types of exceptions
Writing safer and more reliable code

Module 10: Java Collections
- Working with collections like **ArrayList** and **HashMap**
- Storing data with Java collections
- Understanding how to loop through collections

Module 11: File Handling in Java
- Reading from and writing to files in Java
- Working with text files and binary files
- Creating programs that manage file data

Module 12: Java GUI Programming
- What is GUI programming in Java?
- Creating simple graphical user interfaces
- Working with buttons, labels, and text fields

Module 13: Java Project
- Building a simple project with Java
- Applying all the concepts you've learned
- Creating a useful program for real-world use



How Schedule and Commitments will work?

Duration
2 months
(8 weeks)

Mode
Online Live Classes + Hands-on Training

Commitment
2 Months /
2 hours a Day /
Mon-Wed-Thur-Sat

Who Should Pursue **Python** and **Java Courses**?

The Python and Java courses are perfect for anyone who wants to start or advance their career in programming. Here's a breakdown of who can benefit:

- **Beginners in Programming**
- **IT Professionals Looking to Upskill**
- **Students and Fresh Graduates**
- **Web and Mobile App Developers**
- **Data Analysts and Scientists**

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Upon Completing the **Program**, You'll Receive:

- Digitalearn Certified Python and Java Certificate
- Portfolio-ready projects and access to career advancement resources

4.9 Average Rating

3500+ Students Got Job

4000+ Satisfied Learners

100+ Highly Qualified Trainers

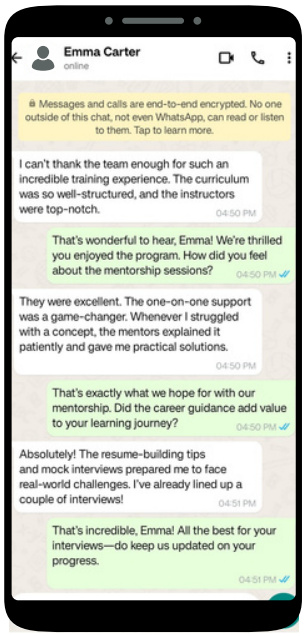
What Kind of Support Will You Receive?

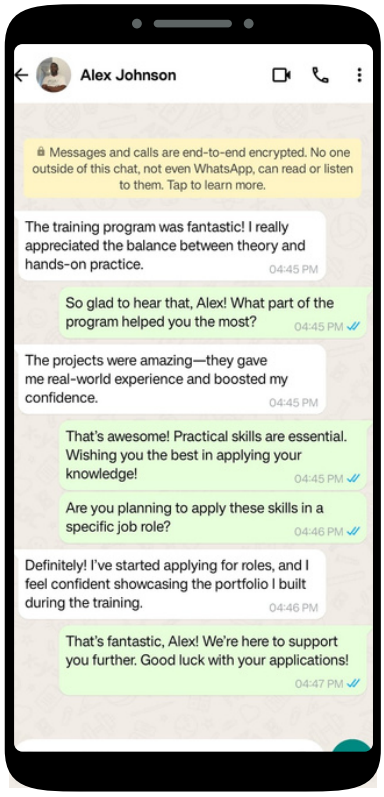
Mentorship
A dedicated mentor to guide you through the learning journey

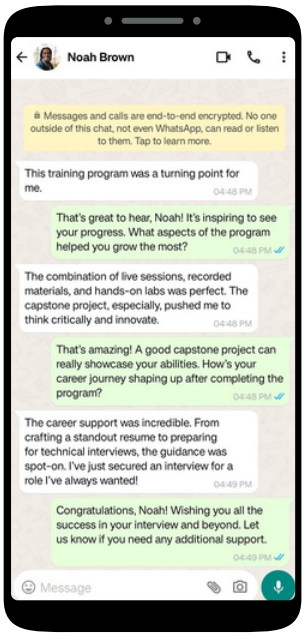
Alumni Network
Access to a supportive community of professionals

Career Assistance
Networking tips, job search strategies, and interview prep

What our **students** say ?







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Python and Java Certification **FAQ**

What is Python Certification?

Answer:

Python certification shows that you know how to use Python programming language. It teaches you how to write code, work with data, and build applications.

What is Java Certification?

Answer:

Java certification shows that you understand how to use the Java programming language. It helps you learn to create software, work with databases, and build web applications.

Who should pursue Python Certification?

Answer:

Python certification is perfect for:

- Beginners who want to start programming
- Data scientists
- Developers who want to learn Python for web or software development
- Anyone interested in automating tasks and analyzing data.

Who should pursue Java Certification?

Answer:

Java certification is great for:

- Beginners who want to learn programming
- Software developers
- Web developers
- People interested in building mobile apps and enterprise-level systems.

What are the prerequisites for Python Certification?

Answer:

There are no strict prerequisites for Python. However, basic knowledge of computers and logic will help. Beginners can start learning Python from scratch.

What are the prerequisites for Java Certification?

Answer:

No formal prerequisites for Java, but understanding basic programming concepts will be helpful. It's good to know how computers and coding work before starting.

How long does it take to complete the Python certification?

Answer:

It can take about 4 to 6 weeks to complete the Python course, depending on your pace. Some people can do it faster, others may take a little longer.

How long does it take to complete the Java certification?

Answer:

Java certification usually takes around 6 to 8 weeks. It depends on your speed and how much time you dedicate to studying.

What is the format of the Python exam?

Answer:

The Python exam usually has multiple-choice questions and practical coding exercises. You'll need to solve real programming problems to prove your skills.

What is the format of the Java exam?

Answer:

The Java exam also includes multiple-choice questions and coding tasks. You'll be tested on how well you can solve programming problems using Java.

How much does the Python certification cost?

Answer:

Python certification costs around $200 to $400. This can vary depending on the training provider and location.

How much does the Java certification cost?

Answer:

Java certification typically costs between $300 to $500, depending on the course and training provider.

How can I prepare for the Python and Java exams?

Answer:

To prepare, you can take online courses, read books, and practice coding regularly. Try to solve coding problems and build small projects to improve your skills.

What are the benefits of holding both Python and Java certifications?

Answer:

Having both Python and Java certifications gives you a strong advantage in the job market. Python is great for data analysis and web development, while Java is used for enterprise systems and mobile apps. Together, they open many career opportunities.

Are there any renewal requirements for Python and Java certifications?

Answer:

Generally, Python and Java certifications do not require renewal. However, you should keep learning new technologies and updates to stay current in the field.

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