Faysal Aziz

Python from a Non-Programming Perspective

A no-code overview of capabilities, use cases and adoption decisions

FA-0775 · Half day (4 hours including a break and questions)

Software Development · Others

Introduction

A no-code introduction to what Python is, how Python-based solutions work and when they may be useful. Observe code demonstrations and discuss practical applications, limitations and learning pathways without writing a program.

Learning outcomes

- Describe Python and recognise how code, interpreters and development tools fit together.
- Compare Python benefits, limitations and representative application areas.
- Identify factors to consider when adopting Python or beginning developer training.
- Discuss AI, analytics and industry applications without treating future projections as guaranteed outcomes.

Prerequisites

Basic computer and internet skills and ability to follow English-language explanations. A computer and reliable connection are useful for demonstrations.

Training outline

1. Module 1 – Python explained

- Introduction, exploration and a brief history of Python.
- Observe a code demonstration: system requirements, editors, interpreters and compilation concepts.
- Compare capabilities and limitations; a compiled implementation or service wrapper is not a universal Python deployment model.

2. Module 2 – Application areas

- Testing and prototyping.
- Services, large-data processing and mobile application approaches using suitable frameworks.
- Machine learning, AI, neural networks and image processing.
- Synthetic media and deepfake examples as an application discussion, not a creation lab.

3. Module 3 – Learning and adoption decisions

Knowing what you want

- Guide to becoming a developer
- Understanding goals

The python plan

- How python is changing
- Trends of adoption
- Preparing for future changes

Distinguish current documented capabilities from adoption trends and possible future scenarios.

4. Module 4 – Professional perspectives

- Possible implications for analytics and software development.
- Considerations for managers, finance professionals and industry practitioners.
- Summary and questions.

Who this course is for

- C-Level team members
- Finance professionals

- Review bodies
- Supervisors
- Authors
- Freshers wanting to explore programming
- Anyone interested in Machine Learning and Artificial Intelligence

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