

# Python Programming

Updated Study Material

## Course Overview

Python is a high-level, easy-to-learn programming language used for web development, data science, automation, and artificial intelligence.

## Chapter 1: Introduction to Python

Python uses simple syntax and is suitable for beginners.

**Example:** `print('Hello, World!')`

## Chapter 2: Variables and Data Types

Variables store data values such as numbers, strings, and lists.

**Example:** `x = 10`

## Chapter 3: Loops

Loops are used to repeat a block of code. Common loops are `for` and `while`.

## Practice Questions

1. What is Python used for?
2. Write one example of a variable in Python.