

Python Programming Basics

Introduction to Python Programming

Python is a high-level, interpreted programming language with dynamic semantics. Its high-level built-in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development.

Key Features:

- Easy to learn and use
- Interpreted language
- Object-oriented programming support
- Large standard library
- Cross-platform compatibility

Basic Syntax:

Variables:

```
name = "Alice"  
age = 25  
height = 5.6
```

Functions:

```
def greet(name):  
    return f"Hello, {name}!"
```

Loops:

```
for i in range(5):  
    print(i)
```

This is a sample PDF for testing the learning application.