

University of Mohamed khider

Faculty of Economics, Business and Management Sciences

Subject: Fundamentals of Programming with Python

Level: First Year – Common Core

Exercise 1

Write a Python program that asks the user to enter their name, then displays a welcome message with that name.

Exercise 2

1. Write a Python program that asks the user to enter two integers, then calculates and displays their sum.
2. Modify the same program so that it adds two real numbers instead of integers.

Exercise 3

Write a Python program that calculates the average of three real numbers entered by the user.

Exercise 4

Write a Python program that reads two integer numbers entered by the user and calculates their quotient and remainder.

Exercise 5

Write a Python program that reads the radius (r) of a circle and calculates both its perimeter and area using the following formulas:

$$\text{Perimeter} = 2 \times \pi \times r$$

$$\text{Area} = \pi \times r^2$$