University of Mohamed Khider

Faculty of Economics, Business and Management Sciences

Subject: Fundamentals of Programming with Python
Level: First Year – Common Core

PW3

Exercise 1

Write two functions in Python:

1- sum_divisors(n)

- Takes a positive integer n
- Returns the sum of all divisors of n (excluding n itself)

2- sum_even_odd(n)

- Takes a positive integer n
- Returns the sum of all even numbers less than n and the sum of all odd numbers less than n

3- Functions call

- Ask the user to enter a positive integer
- Call both functions with the user's input
- Display the results

Exercise 2

1- Write a function average(grades)

- Calculates the average of a list of numbers

2- Write another function grade_status(avg)

- Returns:
    - "Pass" if avg >= 10
    - "Fail" if avg < 10

3- Ask the user to input marks for 5 subjects

4- Use the functions to calculate and print the average and status