

TU Dublin – Tallaght Campus
Department of Computing

Software Development

Worksheet/Laboratory

Exercise 1

Write a Python script that reads in the rainfall (in cm) amount for each day in a week into a List (7 days). The program should then calculate and output the total rainfall for the week and the average rainfall.

In a separate loop, if on any day the rainfall exceeded 3.5cm a message indicating this should be output to the user as follows:

Rainfall exceed 3.5cm on Day : 4

Exercise 2

Write a Python script to take in 5 numbers and store them in a list. Separately go through the list and add 1 to each number. Print out the list to test that each number has been incremented by 1.

Exercise 3

You are required to design and code a program to analyse the performance of the salespeople of a company.

The number of salespeople is not known, and the user should enter this number at the start of the program.

For each salesperson, the value of their total sales (in euro) is entered through the keyboard. When all salespeople's sales values have been entered, the program is required to report the following pieces of information:

- The number of the employee along with their sales (employee number starts at 1)
- The total sales earned by all the salespeople
- The maximum sales amount by any one salesperson
- The minimum sales amount by any one salesperson
- The average sales amount from all salesperson's
- **See sample output below:**

```
--
Please enter the number of salespeople:3
Please enter sales amount      :100
Please enter sales amount      :200
Please enter sales amount      :150
Sales Person      Sales €
-----
Sales Person 1    100.0
Sales Person 2    200.0
Sales Person 3    150.0
-----Summary-----
Total sales       : € 450.0
Average sale      : € 150.0
Maximum Sale      : € 200.0
Minimum Sale      : € 100.0
```