# Worksheet 04

## Activity 1

* Create a new Python file named  **SelectionActivities.py**
* Write a program that asks the user to enter a whole number
* If the number is greater than 50, and appropriate message should be displayed.

## Activity 2

* Extend activity 1 by adding an else statement that displays a message if the condition is not true, i.e. the number is less than 50.

## Activity 3

* Extend activity 2 by making the program display one of the following statements – depending upon the number that the user has entered.
  + The number is greater than 50
  + The number is exactly 50
  + The number is less than 50

## Activity 4

Ask the user to input the name of a month. Using if elsif and else commands display the number of days in the month and if that month falls in Winter, Spring, Summer or Autumn.

## Activity 5

Research the following Python keywords: **not**, **and**, **or**. These are called logical operators.

Ask the user for the day of the week, output if it is a work day or the weekend. Can you code this using the **or** keyword?

Can you code the same problem using the **not** keyword?

We will review your code and look at solutions at the start of next lesson.

All code should be fully commented.