Tutorial 6

IT1010 – Introduction to Programming   **Semester 1, 2021**

Exercise 1 : Practice to use math library functions

Show the value of x after each of the following statements is performed:
  i.   x = floor(7.5)
  ii.   x = ceil (0.0)
  iii.   x = ceil (-6.4)
  iv.   x = log10(100.0)
  v.   x = ceil (floor (-5.5))

Exercise 2 : Practice to write a simple function

Write a function called circleArea() that take the radius of a circle as an argument and calculate and return the area. In the main program read the radius value from the user, call circleArea() and display the result.

Exercise 3: Practice to write functions and use those functions to solve a problem

Write three functions do the following
        add - add two integers pass as parameters and return the result
        multiply - multiply two integers pass as parameters and return the result
        square – receive an integer as a parameter and return the result after multiplying the number by itself.

Use these functions in the main program to calculate the result of the following mathematical expression.
$(3*4 + 5*7)^2$