Assignment 1

1. Using any of the conditional statement learnt to write a simple Python program that will output the score and remark eg "Your score is 76 and this is Excellence" using the algorithm below. Make sure that invalid score such value greater than 100 or less than 1 are detected and reported
   - 0 – 34 = Fail
   - 35 – 44 = Pass
   - 45 – 49 = Fair
   - 50 – 59 = Good
   - 60 – 69 = Very Good
   - 70 – 100 = Excellence
2. Write a program in python that will print the lowest number among three numbers supplied
3. Write a program in python that print outs even, prime, odd numbers.

Assignment 2

1. Create a multiplication table program using while loop, this will be done in such a way that when a user supplies any number the multiplication table of that number will be created.
2. Write a program in python that tells if the name you supplied is in a list or the name is not in a list.
3. Write a program in python that sums all the numbers from 1 to 30
4. Write a program that sums all the numbers in a list 10, 20, 30, 40, 70, 200, 300 and also determine the average.

Assignment 3

1. Create a multiplication table function using while loop, this function should take three argument the multiplication table number, the start value, the stop value. The start value and stop value should take default values of your choice. It will be done in such a way that when you pass one number the multiplication table of that number will be generated along with the default start and stop values. These default start and stop values can also be overwritten when you pass them as an argument when calling the function.
2. Create a function that will some all the numbers from a lower limit to an upper limit as seen on number 3 on assignment 2
3. Create a function in Python that will determine average of any numbers in a Python list.
4. Create a class called Bicycle list out the possible class properties of this Bicycle, create a method that will display the details of this Bicycle, create a method that will convert the weight in Kilogram (kg) to pounds (lbs) and another method that will convert pounds to kilogram make sure that weights are floats and rounded accordingly you can check the python documentation for some these functions. Where 1 kg = 2.20462 lbs
   a. Create an instance of this class
   b. Call the diiferent methods in this class

Assignment 4

1. Write a program that will accept three inputs such as firstname, middlename, surname and print the result inside a file, this should be in such a way that the three input will be printed in one line in a file.
    a. The program should be written in such a way that different users or you can enter different data and it will be printed in a file there by creating a multiline effect. Make sure you read page 96 on the manual where this function os.path.exists() was mentioned
    b. Use the try... except to catch any exception that may occur.
2. Make question1 a function when you pass firstname, middlename, surname as argument the data will be printed in a file.
    a. Put this function inside a module
    b. Put this module in a package
    c. Import this package into a another file where you will call the function in the package using the **from** keyword.
3. Put the arithmetic class we created together in class in a module and put this a module in a package. Import this package onto another file using the **from** keyword
    a. Create a child class in this file andput like three or four arithmetic operators that were not in the parent class.
    b. Call this three different methods in the child class and see the results.
4. Create a package that will hold the functions created in question1, question2, question3 on assignment 3
    a. Import these functions using the **from** keywords and call them