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

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. Creare a python function that sums all the numbers from a lower valaue to an upper value
5. Create a class called MyBankAccount with three methods
   a. The first method will be an init method, the init method will take two argument, firstname, lastname
   b. Use the firstname, lastname to form the user's email address in the init method
   c. Lowercase the email address
   d. Set the balance to be equal to zero in the init method
   e. Create a method that will enable a user to deposite money in his account, the amount will supplied from the command promt
   f. Create a method that will show the amount that have been withdrawn, this amount will be supplied from the command prompt and also detect insufficient funds on the account
   g. Create a method that will display the balance
   h. Create a child class and use the from keyword to import the parent class

        i. The init method of this child class should take more additional arguments such as principal, rate, time
        ii. Create a method that will display the user's detail such as phone, email, firstname, lastname
        iii. Create another method that will calculate the interest when a user borrows a money for a period of time let's say 1year or 2years using 5% rate using this formular (I = (P*R*T)/100)
    i. Lastly test the methods created
6. Create a sub-class called MyMathSubCLass
    a. Use the "import" keyword to import the "MyMathClass"
    b. Make sure "MyMathSubClass" inherits "MyMathClass"
    c. Create two methods in this child class
        i. Make sure that this new method can inherit all the codes on the parent class by testing them out.
        ii. The first method will generate a multiplication of any number, there should be default values for multiplyer and stop values
        iii. The second method will be a nested multiplication that will generate multiplication table from 2 X 1 to 12 X 1