ITC LAB #07 Section B
LAB TASK

1. Modify a calculator you made in the last lab. This time your **function ask user to enter the number** and the **operation** you want to perform (+,-,*,/,**,//,%) after the operation is performed your program should ask the user whether **you want to continue (Y/N)?** your program will exit only when user enter "N"

   Output

```
enter number: 2
enter number: 3
enter operation(+,-,*,/,**,//,%) : +
Addition: 5
you want to continue (Y/N)? y
enter number: 3
enter number: 4
enter operation(+,-,*,/,**,//,%) : **
Exponentail: 81
you want to continue (Y/N)? N
```

2. Write a **Python Function** to create the multiplication table (from 1 to 10) of a number (**Ask a number from a user**).

   Expected output

```
Input a Number: 5
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
```

3. Write a **Python Fuction** to check whether an alphabet is a vowel or consonant. Your program should ask the **user to input an alphabet**

VOWELS ARE (A,E,I,O,U)

Output

```
Enter Alphabet:d
alphabet is a consonant

Enter Alphabet:E
alphabet is a vowel
```

4. Write a **Python Function** to check a triangle is equilateral, isosceles or scalene. .Your program should ask the **user to input x,y,z values**

   Note :
   An equilateral triangle is a triangle in which all three sides are equal.
   A scalene triangle is a triangle that has three unequal sides.
   An isosceles triangle is a triangle with (at least) two equal sides.

   Output:

```
Input lengths of the triangle sides:
x: 12
y: 12
z: 12
Equilateral triangle

Input lengths of the triangle sides:
x: 12
y: 12
z: 13
isosceles triangle
```

```
Input lengths of the triangle sides:
x: 12
y: 13
z: 14
Scalene triangle
```
