PYTHON LAB 5

 # 1. Declare a div() function with two parameters. Then call the function and pass two numbers and display their division.

```
def div(a, b):  #--------> Defining a function

   if a==0:      #---> Condition

      print("Zero is not divisible by any number")  # ---> Print if true

   else:

      c=a/b  #-------> Calculation

      print("Division = ",c)  #------> Print c

x=int(input("Enter the value of x: "))  #------------> Taking parameter as Input from the user

y=int(input("Enter the value of y: "))  #------------> Taking parameter as Input from the user

div(x,y)  #-----------> Calling function
```

<-------------------- Output ------------------------------->

```
'''
Enter the value of x: 55

Enter the value of y: 5

Division =  11.0
'''
```

 # 2. Declare a square() function with one parameter.Then call the function and pass one number and display the square of that number .

```
def square(a):   #--------> Defining a function

   b=a*a    #-------> Calculation

   print("Square of a number is :",b ) # --------> Print b

x=int(input("Enter the value of x :"))   #------------> Taking parameter as Input from the user

square(x)   #-----------> Calling function
```

< ---------------------- Output ---------------------->

```
'''Enter the value of x :5

Square of a number is : 25      '''
```

3. Using max() and min() functions display the maximum and minimum of 5 random numbers.

l=input("Enter a list between []")   #--------------> Taking list as an input from the user

lst=eval(l)

a=max(lst)   #---------> using Max Function()

b=min(lst)   #----------> using Min Function()

print("Maximum number in the list is :",a)   # ---------> print Maximum number

print("Minimum number in the list is :",b)   #-----------> print Minimum Number

< ---------------------- Output ---------------------->

'''

Enter a list between [][5,25,65,57,89,98,66,54,12]

Maximum number in the list is : 98

Minimum number in the list is : 5

'''

4. Accept a name from the user and display that in lower case using lower() function

import string   #----------> Importing String to use their functions.

name=input("Enter your Name: ")   #--------------> Taking list as an input from the user

print(name)   #-----> Print before using lower function

b=str.lower(name)   #---> using Str.lower() function

print(b)   #---------------> print after using Lower() function

#<-------------------- Output ----------------------->

'''

Enter your Name: SauraBH

SauraBH

Saurabh

 '''