PYTHON LAB – 5

FUNCTIONS

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

```python
def div(Num1,Num2): #defining function div() with two
parameters
  res = Num1 / Num2 #Dividing Num1 from Num2 and storing
result in res variable
  print(f"The result of division of {Num1} and {Num2} is
{res:.2f}")  #printing result

Num1 = int(input("Enter Number 1 : ")) #Taking user input for
Num1
Num2 = int(input("Enter Number 2 : ")) #Taking user input for
Num2

div(Num1,Num2) #Calling div() function
```

OUTPUT

```
Enter Number 1 : 674
Enter Number 2 : 97
The result of division of 674 and 97 is 6.95
```

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

```python
def square(Num): #Defining function square() with one
parameter
  res = Num**2 #Calculation square of given number
  print(f"The square of {Num} is {res}") #printing results

Num = int(input("Enter Number : ")) #Taking user input

square(Num) #Calling function square()
```

OUTPUT

```
Enter Number : 25
The square of 25 is 625
```

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

```python
random_numbers = [29, 63, 46, 12, 28] # 5 random numbers
Max_Num = max(random_numbers) #Finding maximum number using
max() function
Min_Num = min(random_numbers) #Finding minimum number using
min() function

print("Random numbers are : ",random_numbers) #Printing random
numbers
print("The maximum number is : ",Max_Num) #Printing maximum
number
print("The minimum number is : ",Min_Num) #Printing minimum
number
```

OUTPUT

```
Random numbers are :  [29, 63, 46, 12, 28]
The maximum number is :  63
The minimum number is :  12
```

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

```python
Name = input("Enter name : ") #Taking user input

Lower_case = Name.lower() #Converting string to lowercase

print("The lower case of entered string is : ",Lower_case)
#Printing result
```

OUTPUT

```
Enter name : RAJARANI
The lower case of entered string is :  rajarani
```