**PYTHON PROGRAMMING ASSIGNMENT :-5**

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

**Code:-**

**# define the div function**

**def div(a,b):**

**if b!=0:**

**return a/b # check the number is not divisible by zero**

**else:**

**return"Divisible by zero not applicable!"**

**# Call the function with two number**

**a=float(input("Enter the 1st number:"))**

**b=float(input("Enter the 2nd number:"))**

**c=div(a,b)**

**#display the result**

**print("Divison of the numbers:",c)**

**Output:-**

**Enter the 1st number:45**

**Enter the 2nd number:9**

**Divison of the numbers: 5.0**

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

**Code:-**

**#Define the square function**

**def square(a):**

**return a\*a**

**#call the function with the number**

**a=float(input("Enter the number:"))**

**square=square(a)**

**#display the result**

**print("Square of the number:",square)**

**Output:-**

**Enter the number:6**

**Square of the number: 36.0**

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

**Code:-**

**import random**

**a = random.randint(1, 100)**

**b = random.randint(1, 100)**

**c = random.randint(1, 100)**

**d = random.randint(1, 100)**

**e = random.randint(1, 100)**

**print("Random numbers:", a, b, c, d, e)**

**# Display the maximum and minimum values**

**print("Maximum number:", max(a, b, c, d, e))**

**print("Minimum number:", min(a, b, c, d, e))**

**Output:-**

**Random numbers: 77 93 59 34 88**

**Maximum number: 93**

**Minimum number: 34**

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

**Code:-**

**# Accept a name from the user**

**name = input("Enter your name: ")**

**# Convert the name to lowercase**

**lowercase\_name = name.lower()**

**# Display the name in lowercase**

**print("Name the lower case:",lowercase\_name)**

**Output:-**

**Enter your name: SUMAN KUMAR HUI**

**Name the lower case: suman kumar hui**