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

Code:

def div(x, y):# Declare a function named div that takes two parameters.

  return x / y

# Call the div() function with two numbers.

numerator = 10

denominator = 5

result = div(numerator, denominator)

print(f"The division of {numerator} by {denominator} is: {result}") # Display the division result along with a description.

Output:

The division of 10 by 5 is: 2.0

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

Code:

# Number to be squared

number = 5 # taken number as 5.

squared\_number = number \*\* 2 # Calculate the square.

print(f"The square of {number} is: {squared\_number}")# Display the result with description.

Output:

The square of 5 is: 25

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

Code:

import random

random\_numbers = [random.randint(1, 100) for \_ in range(5)]

# Generate 5 random numbers.

print("Generated numbers:", random\_numbers) # Display the generated numbers.

# Find and display the maximum and minimum of the generated numbers

max\_number = max(random\_numbers)

min\_number = min(random\_numbers)

print("Maximum number:", max\_number) #print the maximun number.

print("Minimum number:", min\_number)#print the minimun number

Output:

Generated numbers: [1, 79, 23, 13, 42]

Maximum number: 79

Minimum number: 1

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

Code:

name = input("Enter your name: ")# Accept a name from the user.

lowercase\_name = name.lower()# Convert the name to lowercase using lower() function.

print("Lowercase name:", lowercase\_name)# Display the lowercase name along with a description.

Output:

Enter your name: KUSUMA N

Lowercase name: kusuma