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

def div(num1, num2): #using def functions create a parameters

if num2 == 0: #using if function to check the condition

return "Division by zero is not possible"

return num1 / num2

result = div(10, 5) #call the function and pass values

print("Result of division:", result)

output: Result of division: 2.0

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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(number): #using def function square the number

return number \*\* 2 #using this formula perform task

number = 5

result = square(number) #call the function and pass one number

print("Square of", number, "is:", result) #print the output

output: Square of 5 is: 25

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

import random

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

numbers

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

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

max\_number = max(random\_numbers) #here using max() function

min\_number = min(random\_numbers) #here using min() function

print("Maximum number:", max\_number)

print("Minimum number:", min\_number)

output: Generated random numbers: [56, 78, 9, 15, 54]

Maximum number: 78

Minimum number: 9

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

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

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

lowercase using lower() function

print("Name in lowercase:", lowercase\_name) # Display the name in

lowercase

output: Enter your name: MANASA

Name in lowercase: manasa

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