**MODULE – 4 ASSIGNMENT**

**Functions**

**Please write Python Programs for all the problems.**

1. Write a Python function to find the Max of three numbers.
2. Write a Python function to sum all the numbers in a list.
3. Write a Python function to multiply all the numbers in a list.

**Soln:**

**Q1**

**Q1**

**def maximum(a, b, c):**

**if (a >= b) and (a >= c):**

**largest = a**

**elif (b >= a) and (b >= c):**

**largest = b**

**else:**

**largest = c**

**return largest**

**Q2**

**def sum\_of\_list(a):**

**a=list(a)**

**total = sum(a)**

**return total**

**#eg:**

**f=[1,2,3]**

**print(sum\_of\_list(f))**

**Q3**

**def product\_of\_list(a):**

**a=list(a)**

**x=1**

**for i in range(len(a)):**

**x=a[i]\*i**

**return x**

**#eg:**

**f=[1,2,3]**

**print(product\_of\_list(f))**