1. Write a Python program to find sum of elements in list?

**Ans:- Def addition(a):**

**Sum = 0**

**For I in a:**

**Sum += I**

**Print(sum)**

**Addition([12, 23, 23, 56, 67, 56])**

1. Write a Python program to Multiply all numbers in the list?

**Ans:- Def multiplication(a):**

**Multiplication = 1**

**For I in a:**

**Multiplication \*= I**

**Print(multiplication)**

**Multiplication([12, 23, 23, 56, 67, 56])**

1. Write a Python program to find smallest number in a list?

**Ans:- def find\_smallest\_number(numbers):**

**if not numbers: # Check if the list is empty**

**return None**

**smallest = numbers[0] # Assume the first number is the smallest**

**for number in numbers:**

**if number < smallest:**

**smallest = number**

**return smallest**

**# Example usage**

**num\_list = [5, 2, 9, 1, 7]**

**smallest\_number = find\_smallest\_number(num\_list)**

**print("The smallest number is:", smallest\_number)**

1. Write a Python program to find largest number in a list?

**Ans:- def find\_largest\_number(numbers):**

**if not numbers: # Check if the list is empty**

**return None**

**largest = numbers[0] # Assume the first number is the largest**

**for number in numbers:**

**if number > largest:**

**largest = number**

**return largest**

**# Example usage**

**num\_list = [5, 2, 9, 1, 7]**

**largest\_number = find\_largest\_number(num\_list)**

**print("The largest number is:", largest\_number)**

1. Write a Python program to find second largest number in a list?

**Ans:- def find\_second\_largest\_number(numbers):**

**if len(numbers) < 2: # Check if the list has at least two numbers**

**return None**

**largest = max(numbers[0], numbers[1]) # Assume the first two numbers are the largest and second largest**

**second\_largest = min(numbers[0], numbers[1])**

**for number in numbers[2:]:**

**if number > largest:**

**second\_largest = largest**

**largest = number**

**elif number > second\_largest:**

**second\_largest = number**

**return second\_largest**

**# Example usage**

**num\_list = [5, 2, 9, 1, 7]**

**second\_largest\_number = find\_second\_largest\_number(num\_list)**

**print("The second largest number is:", second\_largest\_number)**

1. Write a Python program to find N largest elements from a list?

**Ans:- def find\_n\_largest\_elements(numbers, n):**

**if len(numbers) < n: # Check if the list has fewer elements than N**

**return None**

**largest\_elements = sorted(numbers, reverse=True)[:n]**

**return largest\_elements**

**# Example usage**

**num\_list = [5, 2, 9, 1, 7, 3, 8]**

**n = 3**

**n\_largest\_elements = find\_n\_largest\_elements(num\_list, n)**

**print(f"The {n} largest elements are:", n\_largest\_elements)**

1. Write a Python program to print even numbers in a list?

**Ans:- Def even\_num(a):**

**For I in a:**

**If I % 2 == 0:**

**Print(I)**

**Else:**

**continue**

1. Write a Python program to print odd numbers in a List?

**Ans:- Def even\_num(a):**

**For I in a:**

**If I % 2 != 0:**

**Print(I)**

**Else:**

**continue**

1. Write a Python program to Remove empty List from List?

**Ans:- def empty\_list(a):**

**A\_copy = a.copy()**

**For I in a\_copy:**

**If len(I) == 0:**

**a.remove(I)**

**Else:**

**Continue**

**Print(a)**

1. Write a Python program to Cloning or Copying a list?

**Ans:- def cloning(a):**

**Result = []**

**For I In a:**

**Result.append(I)**

**Print(result)**

**cloning[[1, 2], [], [], [], [2, 3, 4, 5]]**

1. Write a Python program to Count occurrences of an element in a list?

**Ans:- def counting(a):**

**Sum = 0**

**For I in a:**

**Sum += 1**

**Print(sum)**