**Assignment(List)**

**1.Write a Python program to sum all the items in a list.**

my\_list = ["mobile", "laptop", "mouse", "keyboard", "earphones" , "printer"]

print("All items in the list:")

for item in my\_list:

print(item)

**2. Write a Python program to get the largest and smallest number from a list without builtin functions.**

number = [92,1005,12345,8769,67,90]

largest = smallest = number[0]

for num in number:

if num > largest:

largest = num

if num < smallest:

smallest = num

print(f"The largest number is: {largest}")

print(f"The smallest number is: {smallest}")

**3. Write a Python program to find duplicate values from a list and display those.**

my\_list = [10, 20, 30, 20, 40, 50, 30, 60, 10, 56, 78, 89, 99, 56,100,100,100]

seen = set()

duplicates = []

for item in my\_list:

if item in seen:

duplicates.append(item)

else:

seen.add(item)

print("Duplicate values:", duplicates)

**4. Write a Python program to split a given list into two parts where the length of the first**

**part of the list is given.**

**Original list:**

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

**Length of the first part of the list: 3**

**Splitted the said list into two parts:**

**([1, 1, 2], [3, 4, 4, 5, 1])**

original\_list = [1, 1, 2, 3, 4, 4, 5, 1,]

first\_part\_length = 3

first\_part = original\_list[:first\_part\_length]

second\_part = original\_list[first\_part\_length:]

print("Original list:", original\_list)

print("Length of the first part of the list:", first\_part\_length)

print("Splitted the said list into two parts:")

print((first\_part, second\_part))

**5. Write a Python program to traverse a given list in reverse order, and print the**

**elements with the original index.**

**Original list:**

**['red', 'green', 'white', 'black']**

**Traverse the said list in reverse order:**

**black**

**white**

**green**

**red**

original\_list = ['red', 'green', 'white', 'black']

print("Traverse the said list in reverse order:")

for item in reversed(original\_list):

original\_index = original\_list.index(item)

print(f"Element: {item}, Original Index: {original\_index}")