**Ahnaf Hasnain Nahiun, Batch-24(Data Science)**

**Assignment-3**

**1.Write a program to make another list of duplicate elements from the following list**

[1, 5, 6, 5, 1, 2, 3]

Code:-

list1 = [1, 5, 6, 5, 1, 2, 3]

print("Given List =", list1)

list2 = []

list3 = set()

for x in list1:

if x in list3:

list2.append(x)

else:

list3.add(x)

print("Duplicate List =",list2)

**Output**

Given List = [1, 5, 6, 5, 1, 2, 3]

Duplicate List = [ 5, 1]