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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]

