

## Assignment 2

```
In [25]: # List of order ID's which are processed
processed_orders = [1152, 1154, 1155, 1156, 1157, 1160, 1161, 1162, 1166, 1169, 1170, 1172, 1176, 1050, 1178, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099]

# List of order ID's which are returned
returned_orders = [1153, 1158, 1159, 1163, 1164, 1165, 1167, 1168, 1171, 1173, 1174, 1175, 1177, 1053, 1055, 1056, 1059, 1060, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099]

# Consider the information available in the above two lists and answer the question given below
```

Count the total number of orders [ Orders include both processed and returned orders] 63 66 126 129

```
In [26]: len(processed_orders + returned_orders)
```

```
Out[26]: 129
```

In the total orders, identify the 50th order [ Note: Assume the order ID's are being generated in a consecutive manner] 1152 1099 1154 1100

```
In [27]: x= processed_orders + returned_orders
y=sorted(x)
print("The 50th order is:", y[49])
```

The 50th order is: 1099

Is 50th order a returned order or processed order? Returned Order Processed Order

```
In [29]: x= int(input("Enter the order: "))
if x in processed_orders:
    print("This is Processed Order")
else:
    print("This is Returned Order")
```

```
Enter the order: 1099
This is Processed Order
```

```
In [30]: 1099 in returned_orders
```

```
Out[30]: False
```

```
In [31]: 1099 in processed_orders
```

```
Out[31]: True
```

What is the last processed order ID ? [ Note: Assume the order ID's are being generated in a consecutive manner] 1050 1178 1124 1177

```
In [32]: print(processed_orders[-1])
```

```
1124
```

```
In [33]: Identify the first 4 orders which are processed?
1152, 1154, 1155, 1156
1051, 1152, 1153, 1154
1050, 1051, 1052, 1054
1050, 1051, 1052, 1053
```

```
Object `processed` not found.
```

```
Out[33]: (1050, 1051, 1052, 1053)
```

```
In [34]: print("First four processed orders:",processed_orders [:4])
```

```
First four processed orders: [1152, 1154, 1155, 1156]
```

```
In [ ]:
```