

Q1.

```
mylist=[1,2,2,3,3,4,4,4,4,5,5,5,5,5]
countdict={}
for i in mylist:
    countdict[i]=countdict.get(i,0)+1
newlist=[]
sortdict = sorted(mylist, key=lambda x: -countdict[x])
print(sortdict)
```

Output:

```
"C:\Users\Sagar Nikam\AppData\Local\Microsoft\WindowsApps\python3.12.exe" "C:\Users\Sa
[5, 5, 5, 5, 5, 4, 4, 4, 4, 2, 2, 3, 3, 1]

Process finished with exit code 0
```

Q2.

```
str1= "sagar"
char = 'o'
func = lambda str1,ch: str1[0] == char

if func(str1,char):
    print('Yes')
else:
    print("No")
```

Output:

```
"C:\Users\Sagar Nikam\AppData\Local\Microsoft\WindowsApps\python3.12.exe" "C:\Users\Sag
No

Process finished with exit code 0
```

Q3.

```
ls = [1,2,3,4,5,6,7]
func = lambda ls1:len(ls1)>6
if func(ls):
    print('greater than 6')
else:
    print('Less than 6')
```

Output:

```
"C:\Users\Sagar Nikam\AppData\Local\Microsoft\WindowsApps\python3.12.exe" "C:\Users\Sag
greater than 6

Process finished with exit code 0
```