

Q.1) int arr[]={1,2,2,3,3,4,4,4,4,5,5,5,5,5} alter array in such way that the element which occur most times will print first.
sample output-arr[]={5,5,5,5,5,4,4,4,2,2,3,3,1};

```
mylist=[1,2,2,3,3,4,4,4,4,5,5,5,5,5]
```

```
freq = {}
```

```
for x in mylist:
```

```
    freq[x] = freq.get(x, 0) + 1
```

```
sorted_list = sorted(mylist, key=lambda x: (-freq[x], x))
print(sorted_list)
```

```
"D:\CDAC VITA\PYTHON\Logic\Scripts\python.exe" "D:/CDAC VITA/PYTHON/
[5, 5, 5, 5, 5, 4, 4, 4, 4, 2, 2, 3, 3, 1]
```

```
Process finished with exit code 0
```

Q.2) Write a Python program to find if a given string starts with a given character using Lambda.

```
a = input("Enter a string: ").lower()
ch = input("Enter a Starting Character: ").lower()

fun = lambda str, char: str.startswith(char)

if fun(a, ch):
    print("The string starts with ", ch)
```

```
else:  
    print("The string does NOT start with",ch)
```

```
"D:\CDAC VITA\PYTHON\Logic\Scripts\python.exe" "D:/CDAC VITA/PYTHON/  
Enter a string: Abc  
Enter a Starting Character: a  
The string starts with a
```

```
Process finished with exit code 0
```

Q.3) Write a Python program to filter a given list whether the values in the list are having length of 6 using Lambda

```
mylist = ['aaa','bbbb','cccccc','dddddd','eeeeee',]
```

```
result = list(filter(lambda x: len(x) == 6,mylist))
```

```
print(result)
```

```
"D:\CDAC VITA\PYTHON\Logic\Scripts\python.exe" "D:/CDAC VITA/PYTHON/  
['cccccc', 'dddddd', 'eeeeee']
```

```
Process finished with exit code 0
```

Q.4) Write a Python program to create Fibonacci series upto “n” using Lambda.