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[]={5,5,5,5,5,4,4,4,4,2,2,3,3,1};

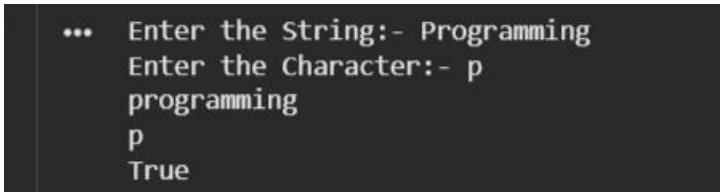
```
mylist = [1,2,2,3,3,4,4,4,4,5,5,5,5,5]

freq = {}
for i in mylist:
    freq[i] = freq.get(i, 0) + 1
print(freq)
result = []
for key, count in sorted(freq.items(), key=lambda x: x[1],
reverse=True):
    result.extend([key] * count)

print(result)
```

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

```
string = input("Enter the String:- ").lower()
c = input("Enter the Character:- ").lower()
result = lambda string, c: string.startswith(c)
print(string)
print(c)
print(result(string, c))
```



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

```
list1 = ["apple", "banana", "cherry", "strawberry", "blueberry"]
list2 = list(filter(lambda x: len(x) > 6, list1))
print(list2)
```

```
['strawberry', 'blueberry']
```

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

```
fib = lambda n: n if n <= 1 else fib(n-1) + fib(n-2)
n = int(input("Enter the Number:- "))
for i in range(n):
    print(fib(i))
```

```
Enter the Number:- 10
0
1
1
2
3
5
8
13
21
34
```