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};

Code:

```
n = int(input("Enter number of terms: "))

fibo = lambda a, b: a + b

a, b = 0, 1
print(a, b, end=" ")

for _ in range(n - 2):
    c = fibo(a, b)
    print(c, end=" ")
    a, b = b, c
```

Output:

```
C:\Users\praja\AppData\Local\Programs\Python\Python313\python.exe D:\Python_te
Enter number of terms: 6
0 1 1 2 3 5
Process finished with exit code 0
```

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};

Code:

```
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
```

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

print("list1:", sorted_list)

Output:

```
C:\Users\praja\AppData\Local\Programs\Python\Python313\python.exe D:\Python_temp
list1: [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.

Code:

```
starts_with = lambda string, char: string.startswith(char)
s = "Vedika"
ch = "V"
result = starts_with(s, ch)
print(result)
```

Output:

```
C:\Users\praja\AppData\Local\Programs\Python\Python313\python.exe
True

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

Code:

words = [“Cherry”,”Banana”,”Mango”,”Apple”,”Orange”,”Watermelon”]

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

print(result)

Output:

```
C:\Users\praja\AppData\Local\Programs\Python\Python313\pyth
['Cherry', 'Banana', 'Orange']

Process finished with exit code 0
```