#Q1) 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};

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

result = []

while arr:

max_elem = arr[0]

 max_count = 0

for x in arr:

 c = arr.count(x)

 if c > max_count:

max_count = c

 max_elem = x

for i in range(max_count):

 result.append(max_elem)

arr.remove(max_elem)

 print(result)
```

```
C:\Python314\python.exe D:\Python\Python_Logic
[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.

```
string="programming"
char=input("Enter the char: ")

start=lambda char:string.startswith(char)

s=start(char)
print(s)
```

```
"D:\CDAC\Python By Nitin Sir\Pyth
Enter the char: p
True
```

Op→

```
"D:\CDAC\Python By Nitin Sir\Pyth
Enter the char: k
False
```

Q3) Q.3) Write a Python program to filter a given list whether the values in the list are having length of 6 using Lambda

Op→

```
li=["Kajal","Sumeet","Rohit"]
print(list(filter(lambda x: len(x) == 6, li)))
```

```
['Sumeet']
```

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

```
n = int(input("Enter the number: "))
fib = lambda x: x if x <= 1 else fib(x - 1) + fib(x - 2)

for i in range(n):
    print(fib(i), end=" ")
```

Op→

```
"D:\CDAC\Python By Nitin Sir\PythonFil
Enter the number: 5
0 1 1 2 3
Process finished with exit code 0
```