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};

```
a=[1,2,2,3,3,4,4,4,4,5,5,5,5,5]
b=[]
while a:
    c=a[0]
    d=0
    for i in a:
        if a.count(i) > d:
            d = a.count(i)
            c = i
    for i in range(d):
        b.append(c)
        a.remove(c)
print(b)
```

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

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

```
a=input("Enter a string ")
b=input("Enter a character")
ch=lambda x, y:x.startswith(y)
if ch(a, b):
    print("Yes")
else:
    print("No")
```

```
Enter a string python
Enter a characterp
Yes
```

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

```
a = ["python", "java", "ram", "sham", "mouse", "abcdef"]
b = list(filter(lambda x: len(x)==6, a))
print("6 char Values ", b)
```

```
6 char Values  ['python', 'abcdef']
```

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

```
n = int(input("Enter value "))
fib = lambda n: n if n <= 1 else fib(n-1) + fib(n-2)
print("Fibonacci series")
for i in range(n):
   print(fib(i), end=" ")
```

```
Enter value 11
Fibonacci series
0 1 1 2 3 5 8 13 21 34 55
```