

PYTHON

"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:

```
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
```

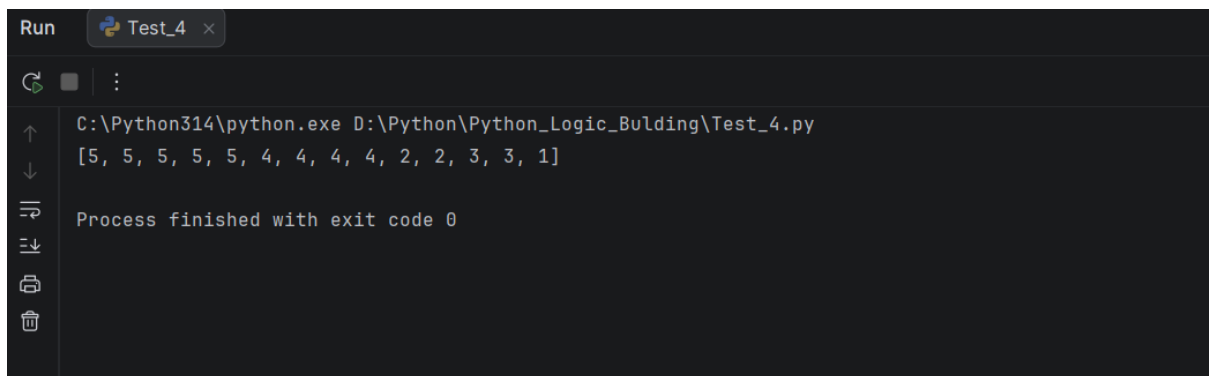
```
    for i in range(max_count):
```

```
        result.append(max_elem)
```

```
        arr.remove(max_elem)
```

```
print(result)
```

Output:



```
Run Test_4 x
C:\Python314\python.exe D:\Python\Python_Logic_Bulding\Test_4.py
[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 s, ch: s.startswith(ch)
```

```
print(starts_with("Vita", ch=input("Enter a string: ")))
```

Output:



```
Run Test_4 x
C:\Python314\python.exe D:\Python\Python_Logic_Bulding\Test_4.py
Enter a string: V
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 = ["python", "vita", "vidyanidhi", "Govind", "list", "string"]
```

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

```
print(result)
```

Output:

A screenshot of a Python IDE's Run window. The window title is 'Run' with a sub-tab 'Test_4'. The command line shows 'C:\Python314\python.exe D:\Python\Python_Logic_Bulding\Test_4.py'. The output is '['python', 'Govind', 'string']'. Below the output, it says 'Process finished with exit code 0'. On the left side of the window, there is a vertical toolbar with icons for running, stepping through, and other debugging actions.

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

Output: