

PLACEMENT PREP

#Q.1) int arr[]={1,2,2,3,3,4,4,4,4,5,5,5,5}

alter array in such way that the element which occur most times will print first.

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

```
unique = []
```

```
for num in set(arr):
```

```
    unique.append(num)
```

```
print(unique)
```

```
unique.sort(reverse=True)
```

```
result = []
```

```
for num in unique:
```

```
    result.extend([num] * arr.count(num))
```

```
print(result)
```

```
/Sanket/OneDrive/Desktop/PYTHON/042_Sanket_Pingle_placement_prep4.py
[1, 2, 3, 4, 5]
[5, 5, 5, 5, 5, 4, 4, 4, 4, 3, 3, 2, 2, 1]
PS C:\Users\Sanket\OneDrive\Desktop\PYTHON>
```

Q2 Write a Python program to find if a given string starts with a given character using Lambda.

```
word = "HELLO WORLD"
```

```
char = "H"
```

```
z = lambda x,y: True if x.startswith(y) else False
```

```
print(z(word,char))
```

```
/Sanket/OneDrive/Desktop/PYTHON/042_Sanket_Pingle_placement_prep4.py
True
PS C:\Users\Sanket\OneDrive\Desktop\PYTHON>
```

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

```
words = ["Cricket", "Football", "Hockey", "Baseball", "Tennis", "Golf"]
check = lambda x: list(filter(lambda i : len(i)==6 ,x))
print(check(words))
```

```
[ 'Hockey', 'Tennis']
PS C:\Users\Sanket\OneDrive\Desktop\PYTHON>
```

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

```
from functools import reduce
n = 10
fib = lambda n: reduce(lambda x, _: x + [x[-1] + x[-2]], range(n - 2), [0, 1])
print(fib(n))
```

```
/Sanket/OneDrive/Desktop/PYTHON/042_Sanket_Pingle_placement_prep4.py
[0, 1, 1, 2, 3, 5, 8, 13, 21, 34]
PS C:\Users\Sanket\OneDrive\Desktop\PYTHON>
```