

:::::

Q1

```
from collections import Counter
```

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

```
freq = Counter(arr)
```

```
result = sorted(arr, key=lambda x: freq[x], reverse=True)
```

```
print("Altered Array:", result)
```

```
"C:/Users/niraj/Downloads/Study/CDAC/Python/Python Assignm
```

```
Altered Array: [5, 5, 5, 5, 5, 4, 4, 4, 4, 2, 2, 3, 3, 1]
```

```
Process finished with exit code 0
```

:::::

Q2

```
starts_with = lambda s, ch: s.startswith(ch)
```

```
print(starts_with("Python", "P"))
```

```
print(starts_with("Python", "y"))
```

```
"C:/Users/niraj/Downloads/Study/CDAC/
```

```
True
```

```
False
```

:::::

Q3

```
lst = ["Python", "Java", "Angular", "ReactJS", "Django"]
```

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

```
print(result)
```

```
"C:/Users/niraj/Downloads/Studу/CDAC  
['Python', 'Django']
```

Q4

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

```
[0, 1, 1, 2, 3, 5, 8, 13, 21, 34]
```

```
Process finished with exit code 0
```