

## SET – 2

### Regular Programs

#### 9. The Captain's Room

```
k = int(input())  
rooms = //insert your code here...  
seen = {}
```

for i in rooms:

**//insert your code here...**

for key, val in seen.items():

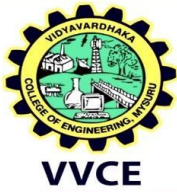
**//insert your code here...**

#### 10. Time Delta

```
//insert your code here...  
if __name__ == '__main__':  
    t = int(input())  
    for _ in range(t):  
        //insert your code here...
```

#### 11. Map and Lambda Function

```
cube = //insert lambda function code here...  
  
def fibonacci(n):  
    //insert your code here...  
  
if __name__ == '__main__':  
    n = int(input())  
    print(list(map(cube, fibonacci(n))))
```



## 12. Validating Credit Card Numbers

```
import re
```

```
n = int(input())
```

```
//insert your code here...
```

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

```
    s = input()
```

```
    //insert your code here...
```

## 13. Climbing stairs

```
class Solution:
```

```
    //insert your code here...
```

```
if __name__ == "__main__":
```

```
    n = int(input())
```

```
    result = Solution().climbStairs(n)
```

```
    print result
```

## 14. House Robber

```
class Solution:
```

```
    def rob(self, nums):
```

```
        //insert your code here...
```

```
nums=[1,2,3,1]
```

```
print(Solution().rob(nums))
```

## 15. Longest Palindromic subsequence

class Solution:

```
def longestPalindromeSubseq(self, s):
```

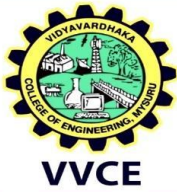
```
    def dp(i, j):
```

```
        //insert your code here...
```

```
    return dp(0, len(s) - 1)
```

```
s = input()
```

```
Solution().longestPalindromeSubseq(s)
```



## Additional Programs

### 6. ginortS

S = input()

```
def s(x):  
    //insert your code here...  
    print(*sorted(S, key=s), sep="")
```

### 7. Text wrap

```
//insert your code here...
```

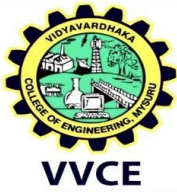
### 8. Piling Up

```
import sys
```

```
def test_cubes(cubes):  
    t_cube = 0  
  
    if cubes[0] > cubes[len(cubes)-1]:  
        t_cube = cubes[0]  
        cubes.pop(0)  
    else:  
        t_cube = cubes[len(cubes)-1]  
        cubes.pop(len(cubes)-1)  
  
    while len(cubes) > 0:  
        //insert your code here... return "Yes"
```

```
num_of_tests = input()  
num_of_tests = int(num_of_tests)
```

```
for i in range(0, num_of_tests):  
    input()  
    cubes = list(map(int, input().split(' ')))  
    print(test_cubes(cubes))
```



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