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))
```

Vidyavardhaka Sangha®, Mysore
VIDYAVARDHAKA COLLEGE OF ENGINEERING
Autonomous Institute, Affiliated to Visvesvaraya Technological University, Belagavi
(Approved by AICTE, New Delhi & Government of Karnataka)
Accredited by NBA | NAAC with 'A' Grade
Department of Information Science & Engineering
Phone: +91 821-4276210, Email: hodis@vvce.ac.in
Web: http://www.vvce.ac.in
@vvceofficial