



# **Introduction to C Programming**

## **Module 6.5: Practice Day 01**

**(Codeforces Links)**

### **Topics:**

1. If Else Ladder
2. Nested If Else
3. Loop
4. Nested Loop
5. Basic Mathematics

## ***Practice Problem 1***

Question Link: [Next Alphabet](#)

Sample Input	Sample Output
a	b

## Practice Problem 2

Question Link: [Ali Baba and Puzzles](#)

Sample Input	Sample Output
3 4 5 23	YES
9 5 3 7	YES
1 2 3 1	NO

## Practice Problem 3

Question Link: [Divisors](#)

Sample Input	Sample Output
6	1 2 3 6
7	1 7
4	1 2 4

## Practice Problem 4

Question Link: [Even Numbers](#)

Sample Input	Sample Output
10	2 4 6 8 10
5	2 4

## ***Practice Problem 5***

**Question Link:** [Lucky Numbers](#)

Sample Input	Sample Output
39	YES
93	YES
73	NO
37	NO

## *Pattern 1*

N = 6

1  
1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5  
1 2 3 4 5 6

## *Pattern 2*

N = 5

5 4 3 2 1

4 3 2 1

3 2 1

2 1

1



### *Pattern 3*

N = 6

A  
B B  
C C C  
D D D D  
E E E E E  
F F F F F F

### *Pattern 4*

N = 5

\*  
\* \* \*  
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