

DAILY ONLINE ACTIVITIES SUMMARY



Date:	07/06/2020	Name:	Raghavendra s
Sem & Sec	8 sem B sec	USN:	4AL16CS071
Online Test Summary			
Subject	Na		
Max. Marks	Na	Score	na
Certification Course Summary			
Course	C#.net tutorial		
Certificate Provider	sololern	Duration	3.00hrs
Coding Challenges			
Problem Statement:			
Status: Solved			
Uploaded the report in Github		Uploaded	
If yes Repository name		Raghavendra s	
Uploaded the report in slack		yes	


Online Test Details: (Attach the snapshot and briefly write the report for the same)

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

online certificate

  Classes and Objects XP 323



Programming			
1 questions ✓	3 questions ✓	3 questions ✓	2 questions ✓
5/13 Class Attributes	6/13 Access Modifiers	7/13 Getters and Setters	8/13 Constructors
2 questions ✓	1 questions ✓	2 questions ✓	3 questions ✓
9/13 Value & Reference Types	10/13 The Math Class	11/13 Static	12/13 Final
2 questions ✓	1 questions ✓	2 questions ✓	1 questions ✓
13/13 Packages	Module 4 Quiz		
1 questions ✓	6 questions ✓		

ONLINE CODDING

This challenge will let you learn about bitwise operators in C.

Inside the CPU, mathematical operations like addition, subtraction, multiplication and division are done in bit-level. To perform bit-level operations in C programming, bitwise operators are used which are explained below.

- Bitwise AND operator & The output of bitwise AND is 1 if the corresponding bits of two operands is 1. If either bit of an operand is 0, the result of corresponding bit is evaluated to 0. It is denoted by &.
- Bitwise OR operator | The output of bitwise OR is 1 if at least one corresponding bit of two operands is 1. It is denoted by |.
- Bitwise XOR (exclusive OR) operator ^ The result of bitwise XOR operator is 1 if the corresponding bits of two operands are opposite. It is denoted by ^.

For example, for integers 3 and 5,

3 = 00000011 (In Binary)

5 = 00000101 (In Binary)

AND operation OR operation XOR operation

00000011

00000011

00000011

& 00000101

| 00000101

^ 00000101

00000001 = 1 00000111 = 7 00000110 = 6

Task

Given set , find:

- the maximum value of which is less than a given integer , where and (where) are two integers from set .
- the maximum value of which is less than a given integer , where and (where) are two integers from set .
- the maximum value of which is less than a given integer , where and (where) are two integers from set .

Input Format

The only line contains space-separated integers, and , respectively.

Constraints

-
-

Output Format

- The first line of output contains the maximum possible value of .
- The second line of output contains the maximum possible value of .
- The second line of output contains the maximum possible value of .

Sample Input 0

5 4

Sample Output 0

2

3

3

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AND operation	OR operation	XOR operation
00000011	00000011	00000011
& 00000101	00000101	^ 00000101
-----	-----	-----
00000001 = 1	00000111 = 7	00000110 = 6

Task

Given set , find:

- the maximum value of which is less than a given integer , where and (where) are two integers from set .
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Sample Input 0

5 4

Sample Output 0

2
3
3

Program

```
void calculate_the_maximum(int n, int k) {
    int maxAnd = 0;
    int maxOr = 0;
    int maxXor = 0;

    for (int i=1; i<=n; i++) {
        for (int j=i+1; j<=n; j++) {
            if (((i&j) > maxAnd) && ((i&j) < k)) {
                maxAnd = i&j;
            }
            if (((i|j) > maxOr) && ((i|j) < k)) {
                maxOr = i|j;
            }
            if (((i^j) > maxXor) && ((i^j) < k)) {
                maxXor = i^j;
            }
        }
    }

    printf("%d\n%d\n%d\n", maxAnd, maxOr, maxXor);
}
```