## **DAILY ONLINE ACTIVITIES SUMMARY**

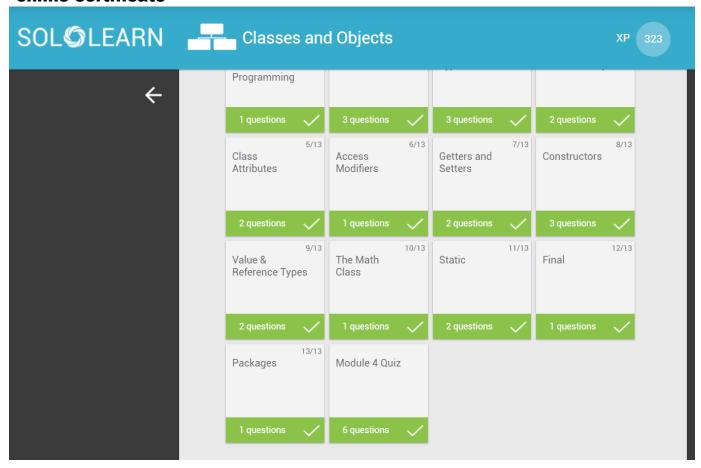
Date:	07/06/2020		Name:	Raghavendra s		
Sem & Sec	8 sem B sec		USN:	4AL16CS071		
Online Test Summary						
Subject Na						
Max. Marks	Na		Score		na	
Certification Course Summary						
Course	C#.net tutorial					
Certificate Provider		sololern	Duration		3.00hrs	
Coding Challenges						
Problem Statement: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



### **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,

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

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  denoted by |.
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  operands are opposite. It is denoted by .

For example, for integers 3 and 5,

```
3 = 00000011 (In Binary)
5 = 00000101 (In Binary)
```

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.
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## **Constraints**

•

**Output Format** 

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

## 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) > \max Xor) && ((i^j) < k)) {
        maxXor = i^j;
      }
   }
  }
  printf("%d\n%d\n", maxAnd, maxOr, maxXor);
}
```