

# Winter Winning Camp Worksheet

## DAY 1

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**Branch:** CSE

**Subject:** IT SKILLS

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**Date:** 03-01-2023

### Problem 1: BINOD AND CHOCOLATES.

Code:

```
1 import java.util.Scanner;
2
3 /* Name of the class has to be "Main" only if the class is public. */
4 class Codechef
5 {
6     public static void main (String[] args) throws java.lang.Exception
7     {
8         Scanner sc = new Scanner(System.in);
9         int T = sc.nextInt();
10        for (int i = 0; i < T ; i++){
11            int a = sc.nextInt();
12            int b = sc.nextInt();
13            int c = a + b;
14            if(a%3==0 || b%3==0 || c%3==0)
15            {
16                System.out.println("YES");
17            }
18            else
19            {
20                System.out.println("NO");
21            }
22        }
23    }
24 }
```

Status : Successfully executed

Time:  
0.009692 secs

Memory:  
5.388 Mb

No details to show

## Problem 2: JANMANSH AND GAMES

Code:

```
1  /* package codechef; // don't place package name! */
2
3  import java.util.*;
4  import java.lang.*;
5  import java.io.*;
6
7  /* Name of the class has to be "Main" only if the class is public. */
8  class Codechef
9  {
10     public static void main (String[] args) throws java.lang.Exception
11     {
12         // your code goes here
13         Scanner sc = new Scanner(System.in);
14         int numberOfTestCases = sc.nextInt();
15         for(int i=0;i<numberOfTestCases;i++)
16         {
17             int X = sc.nextInt();
18             int Y = sc.nextInt();
19             System.out.println(((X+Y)%2==0)?"Janmansh":"Jay");
20         }
21     }
22 }
```

Status : Successfully executed

Time:

0.178658 secs

Memory:

43.164 Mb

Input

2  
2 2  
4 3

Output

Janmansh  
Jay

### Problem 3: GOLD MINING

Code:

```
1  /* package codechef; // don't place package name! */
2
3  import java.util.*;
4  import java.lang.*;
5  import java.io.*;
6
7  /* Name of the class has to be "Main" only if the class is public. */
8  class Codechef
9  {
10     public static void main (String[] args) throws java.lang.Exception
11     {
12         Scanner scan = new Scanner(System.in);
13         int i = scan.nextInt();
14         for(int a = 0; a < i; a++){
15             int n = scan.nextInt()+1;
16             int x = scan.nextInt();
17             int y = scan.nextInt()*n;
18             System.out.println(y>=x?"YES":"NO");
19         }
20     }
21 }
```

Status : Successfully executed

Time:  
0.169223 secs

Memory:  
45.152 Mb

#### Input

```
3
2 10 3
2 10 4
1 5 10
```

#### Output

```
NO
YES
YES
```

## Problem 4: CHEF AND THE WILDCARD MATCHING

Code:

```
1- import java.util.*;
2- class TWOSTR {
3-     public static void main(String args[]) {
4-         Scanner sc = new Scanner(System.in);
5-         int T = sc.nextInt();
6-         while (T-- > 0) {
7-             int n = 0;
8-             String X = sc.next();
9-             String Y = sc.next();
10-            int L = Y.length();
11-            for (int i = 0; i < L; i++) {
12-                if (X.charAt(i) == Y.charAt(i) || X.charAt(i) == '?' || Y.charAt(i) == '?') {
13-                    n += 1;
14-                }
15-            }
16-            if (n == L)
17-                System.out.println("Yes");
18-            else
19-                System.out.println("No");
20-        }
21-    }
22- }
```

Status : Successfully executed

Time:  
0.163475 secs

Memory:  
42.188 Mb

#### Input

2  
s?or?  
sco??  
stor?  
sco??

#### Output

Yes  
No

### Problem 5: SUMS IN A TRIANGLE

Code:

```

1 import java.util.*;
2 import java.lang.*;
3 import java.io.*;
4
5 class Codechef
6 {
7     public static void main (String[] args) throws java.lang.Exception
8     {
9         Scanner sc = new Scanner(System.in);
10        int n = sc.nextInt();
11        for(int i=0;i<n;i++)
12        {
13            int rows = sc.nextInt();
14            int sum=0;
15            int triangle[][] = new int[rows][rows];
16            for(int j=0;j<rows;j++)
17                for(int k=0;k<=j;k++)
18                    triangle[j][k]=sc.nextInt();
19            for(int j=rows-2;j>=0;j--)
20            {
21                for(int k=0;k<=j;k++)
22                {
23                    triangle[j][k] += Math.max(triangle[j+1][k],triangle[j+1][k+1]);
24                }
25            }
26            System.out.println(triangle[0][0]);
27        }
28    }
29 }

```

Status : Successfully executed

Time:  
0.129019 secs

Memory:  
45.116 Mb

#### Input

```
2
3
1
2 1
1 2 3
4
1
1 2
4 1 2
3 3 1 1
```

#### Output

```
5
9
```