

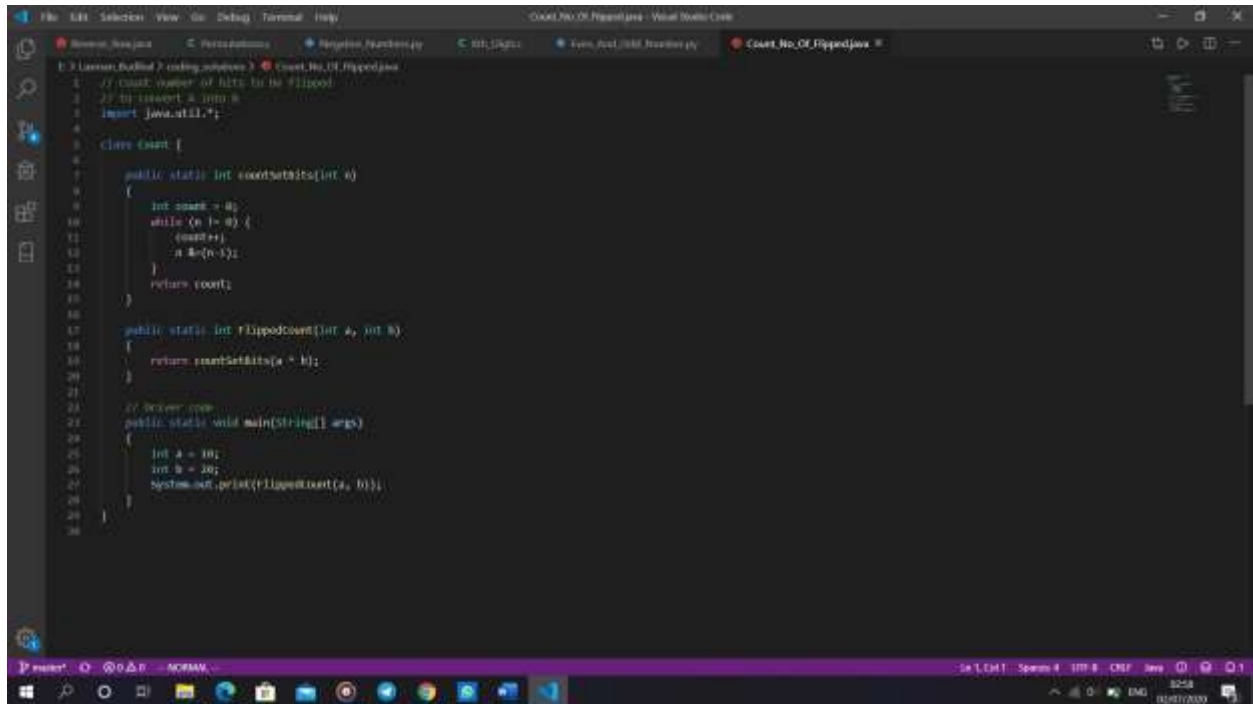
DAILY ONLINE ACTIVITIES SUMMARY

Date:	29/06/2020	Name:	Laxman Pundalik Budihal
Sem & Sec	4 rd sem (A sec)	USN:	4AL18CS043
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	HTML, CSS, and Javascript for Web Developers		
Certificate Provider	Coursera	Duration	15 hours
Coding Challenges			
Problem Statement: Write a Java program to count number of bits to be flipped to convert A to B			
Status: Completed			
Uploaded the report in GitHub		YES	
If yes Repository name		https://github.com/alvas-education-foundation/Laxman_Budihal	
Uploaded the report in slack		YES	

The screenshot displays the Coursera interface for the course 'Welcome to HTML, CSS, and JavaScript for Web Developers'. The left sidebar lists course sections: 'Videos: Lecture 1: What is HTML?', 'Practice Quiz: Optional Practice Quiz', 'Videos: Lecture 2: Relevant History of HTML', 'Practice Quiz: Optional Practice Quiz', 'Videos: Lecture 3: Anatomy of an HTML Tag', 'Practice Quiz: Optional Practice Quiz', and 'Videos: Lecture 4: Basic HTML Documents'. The main content area features a 'Can I use' browser compatibility checker with tabs for CSS, HTML5, SVG, and JS API. The right-hand panel contains a 'Save Note' button and a transcript snippet starting with '[BOLD] Let's briefly talk about the history of HTML. It's usually the case that the history of any technology is not particularly interesting or exciting and I can't claim that the history of HTML is'.

The todays topic is about HTML, CSS, and Javascript for Web Developers

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

A screenshot of a Visual Studio Code editor window. The title bar reads 'Count_No_Of_FlippedJava - Visual Studio Code'. The editor has several tabs open: 'Reverse.java', 'Permutation', 'RangeSum.java', 'Bit_Digits', 'Even_Odd_Count.java', and 'Count_No_Of_FlippedJava'. The active tab is 'Count_No_Of_FlippedJava', which contains the following Java code:

```
1 // Count number of bits to be flipped
2 // to convert A into B
3 import java.util.*;
4
5 class Count {
6
7     public static int countSetbits(int a)
8     {
9         int count = 0;
10        while (a != 0) {
11            count++;
12            a = a & (a - 1);
13        }
14        return count;
15    }
16
17    public static int flippedCount(int a, int b)
18    {
19        return countSetbits(a ^ b);
20    }
21
22    // Driver code
23    public static void main(String[] args)
24    {
25        int a = 10;
26        int b = 20;
27        System.out.println(flippedCount(a, b));
28    }
29 }
```

The code implements a method to count the number of bits that need to be flipped to convert integer A into integer B. It uses a helper method to count the set bits in the XOR of A and B. The main method demonstrates this with a = 10 and b = 20.

The question I took to code is: Write a Java program to count number of bits to be flipped to convert A to B