

DAILY ONLINE ACTIVITIES SUMMARY

Date:	20/06/2020	Name:	Pramod R
Sem & Sec	4 th sem B section	USN:	4AL18CS059
Online Test Summary			
Subject	Data Communication		
Max. Marks	30	Score	27
Certification Course Summary			
Course	Java Programming for Complete Beginners		
Certificate Provider	Udemy	Duration	1 Hour
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/Pramod_R	
Uploaded the report in slack		YES	

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

The screenshot shows a web browser window with the URL `techgig.com/challenge/18cs46dcia5?utm_source=Mailer&utm_medium=TG_batch&utm_campaign=Act_contestskillte...`. The page features a header with a "Logout" link. Below the header is a banner for "Challenge Over by TechGig DC-IA-5". The main content area is divided into two columns. The left column displays "DC-IA5" with a score of 27 out of 30, a "Question Summary" stating the objective is to screen students on domain proficiency, and a "Start Test" button. The right column shows a "Summary" table with "Skills" as "Data Communication" and "Ends On" as "20 Jun". Below these columns is a "Details" tab with "Winners", "FAQs", and "My Submission" sub-tabs. The "Details" tab is active, showing "Important Instructions" for the test.

Challenge Over
by TechGig
DC-IA-5

DC-IA5
Your Highest Score: 27 | Max Score: 30
Question Summary: The objective of this round is to screen students on the basis of their domain proficiency
Start Test

Summary
Skills: Data Communication
Ends On: 20 Jun

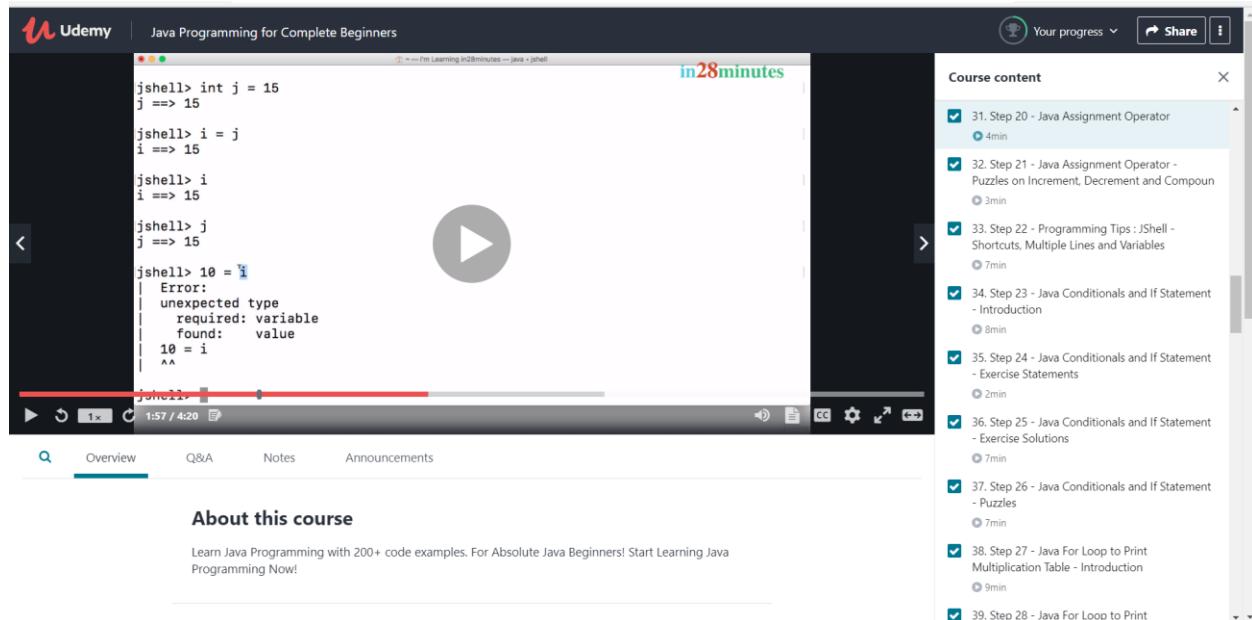
Details | Winners | FAQs | My Submission

Important Instructions
1. Test should be taken in Full Screen only. Any attempt to exit from full screen will submit the test automatically.
2. Students who are taking up test in mobile, make sure you will not pick any call during the test or click on any updates. Mobile screen should not get disabled, so increase the screen timeout.
3. Login to your account before taking up the test.
4. Answers and Questions both will be shuffled.
5. Don't use multiple login.

Data Communication Internals was conducted. A total of 30 questions were there in which all the 30 of them were Multiple Choice Questions.

The above snapshot is the result sheet which was mailed to us by the Techgig team

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



The screenshot shows a UdeMy course page for "Java Programming for Complete Beginners". The main video player displays a Java code snippet in a terminal window:

```
jshell> int j = 15
j ==> 15

jshell> i = j
i ==> 15

jshell> i
i ==> 15

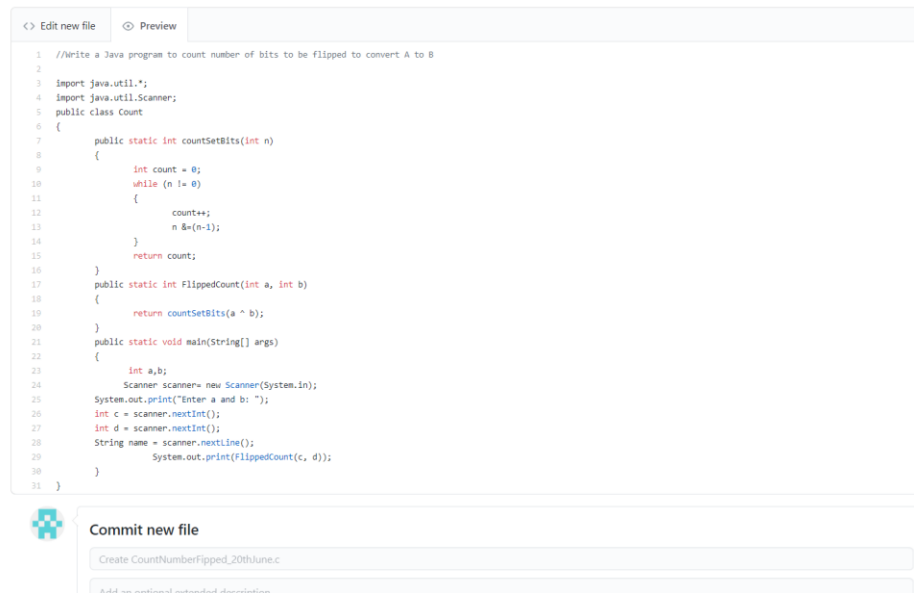
jshell> j
j ==> 15

jshell> 10 = i
Error:
unexpected type
  required: variable
    found:   value
10 = i
AA
```

The video player has a progress bar at 1:57 / 4:20. Below the video, there is a section titled "About this course" with the text: "Learn Java Programming with 200+ code examples. For Absolute Java Beginners! Start Learning Java Programming Now!". On the right side, there is a "Course content" sidebar listing 39 steps, including topics like "Java Assignment Operator", "Puzzles on Increment, Decrement and Compound", "Programming Tips : JShell - Shortcuts, Multiple Lines and Variables", "Java Conditionals and If Statement - Introduction", "Exercise Statements", "Exercise Solutions", and "Puzzles".

The course I have chosen during the lockdown period is **Java Programming for Complete Beginners**. Since I had previously knew few topics about Java I am continuing this course. Since Java is used in major application development, I have chosen this course.

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



```
1 //Write a Java program to count number of bits to be flipped to convert A to B
2
3 import java.util.*;
4 import java.util.Scanner;
5 public class Count
6 {
7     public static int countSetBits(int n)
8     {
9         int count = 0;
10        while (n != 0)
11        {
12            count++;
13            n = n & (n - 1);
14        }
15        return count;
16    }
17    public static int FlippedCount(int a, int b)
18    {
19        return countSetBits(a ^ b);
20    }
21    public static void main(String[] args)
22    {
23        int a,b;
24        Scanner scanner= new Scanner(System.in);
25        System.out.println("Enter a and b: ");
26        int c = scanner.nextInt();
27        int d = scanner.nextInt();
28        String name = scanner.nextLine();
29        System.out.print(FlippedCount(c, d));
30    }
31 }
```

Commit new file

Create CountNumberFlipped_20thJune.c

Add an optional commit description

The question I took to code is:

Write a Java program to count number of bits to be flipped to convert A to B.

Solution: The above snapshot is the code which I have uploaded in my Github repository