

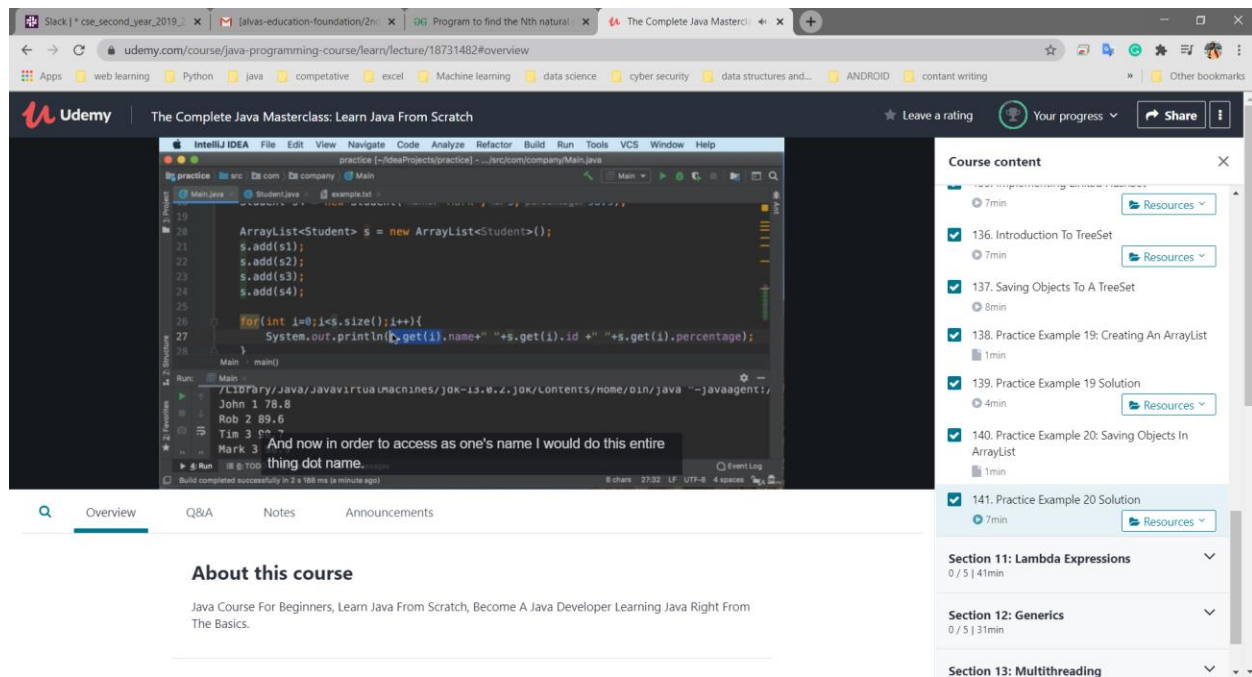
DAILY ONLINE ACTIVITIES SUMMARY

Date:	06/07/2020	Name:	M MAHAMMAD ASIF
Sem & Sec	4 th Sem & 'A' Sec	USN:	4AL18CS045
Online Test Summary			
Subject	Complex Analysis, Probability And Statistical Methods(18mat41)		
Max. Marks	-	Score	-
Certification Course Summary			
Course	The Complete Java Masterclass:Learn Java From Scratch		
Certificate Provider	Udemy	Duration	16.5 Hours
Coding Challenges			
Problem Statement: 1. Java program to find the Nth natural number with exactly two bits set.			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/alvas-education-foundation/M_MAHAMMAD_ASIF	
Uploaded the report in slack		Yes	

Online Test Details: Today Descriptive Mathematics Internal Assessment was conducted on 1st module. It consists of 3 Questions.

Certification Course Details: Today I continued the same course that is “The Complete Java Masterclass: Learn Java From Scratch”. This course was about 16.5 hours of Duration. Today I had studied Packages, Interfaces and java Collections in Java Programming.

Snapshot:



Above is the Snapshot of today's certification course.

Coding Challenges Details: Today one java program task was given by Prof Shilpa. I had solved the program and uploaded the code in Github. The problem statement was:

1. Java program to find the Nth natural number with exactly two bits set.

Given an integer N, the task is to find the Nth natural number with exactly two bits set.

Examples:

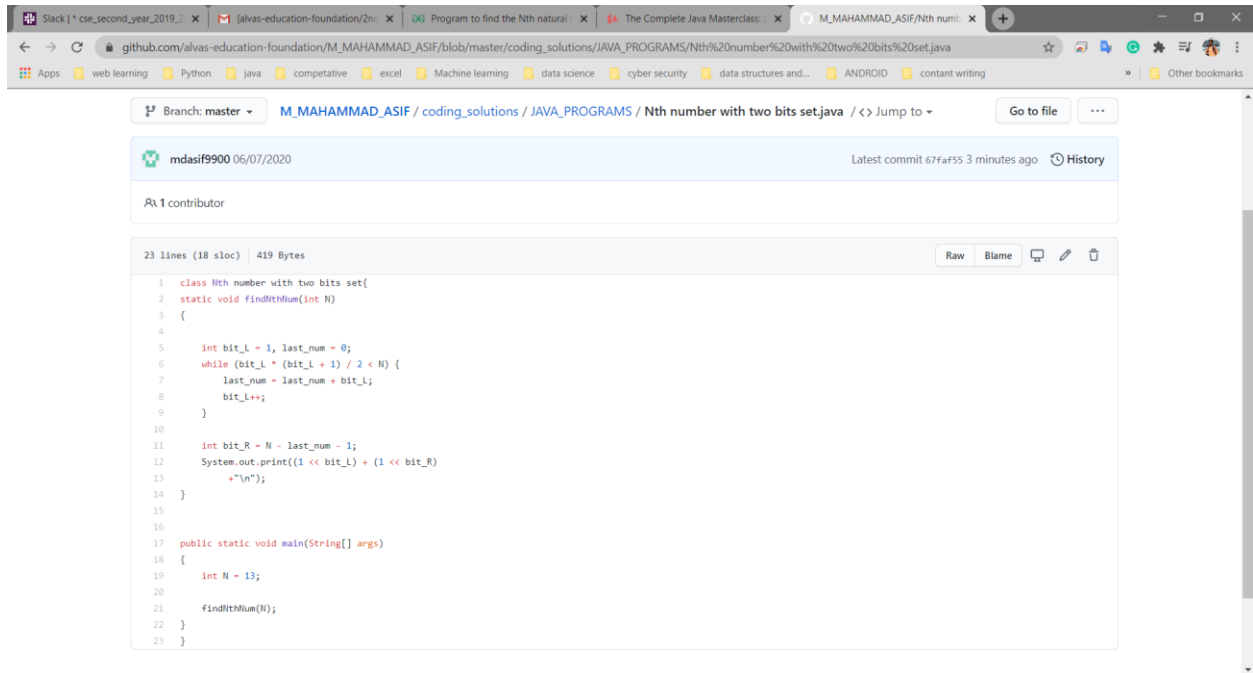
Input: N = 4

Output: 9

Input: N = 15

Output: 48

Snapshot:



The screenshot shows a web browser displaying a GitHub repository page. The browser's address bar shows the URL: `github.com/alvas-education-foundation/M_MAHAMMAD_ASIF/blob/master/coding_solutions/JAVA_PROGRAMS/Nth%20number%20with%20two%20bits%20set.java`. The repository name is `M_MAHAMMAD_ASIF` and the file path is `coding_solutions / JAVA_PROGRAMS / Nth number with two bits set.java`. The file is 419 Bytes and has 23 lines (18 sloc). The code is a Java program that finds the Nth number with two bits set. The code is as follows:

```
1 class Nth number with two bits set{
2     static void findNthNum(int N)
3     {
4
5         int bit_L = 1, last_num = 0;
6         while (bit_L * (bit_L + 1) / 2 < N) {
7             last_num = last_num + bit_L;
8             bit_L++;
9         }
10
11         int bit_R = N - last_num - 1;
12         System.out.print((1 << bit_L) + (1 << bit_R)
13             + "\n");
14     }
15
16
17 public static void main(String[] args)
18 {
19     int N = 13;
20
21     findNthNum(N);
22 }
23 }
```

Above is the snapshot of java code uploaded in the Github.