

DAILY ONLINE ACTIVITIES SUMMARY

Date:	06/07/2020	Name:	Priya Nagari
Sem & Sec	Fourth SEM section B	USN:	4AL18CS063
Online Test Summary			
Subject	—		
Max. Marks	—	Score	—
Certification Course Summary			
Course	AWS certified cloud practitioner-Essential course 2020		
Certificate Provider	udemy	Duration	7.5hr
Coding Challenges			
Problem Statement 1: Write a Java program to find the Nth natural number with exactly two bits set			
Status:			
Uploaded the report in Github		YES	
If yes Repository name		Priya_Nagari link: https://github.com/alva-foundation/Priya_Nagari s-education-index.html	
Uploaded the report in slack		YES	

Online Test Details:

NO TEST

Course Details:

Name of the course: AWS certified cloud practitioner-Essential course 2020

certificate provide: udemy **duration:**7.5hrs

Today I have enrolled for “AWS certified cloud practitioner-Essential course 2020” course in udemy of 7.5 hours duration. Today I have learnt Infrastructure and storage service of AWS.

The screenshot shows the Udemy course page for "AWS Certified Cloud Practitioner - Essentials Course-2020". The main visual is a diagram illustrating the AWS Storage Gateway architecture. On the left, on-premise servers (Database/Application, Application, Backup) connect to File, Volume, and Tape Gateways respectively. These gateways connect to the AWS Cloud via HTTPS. The AWS Cloud section shows services like Amazon S3, Amazon Glacier, and Amazon EBS. Below the diagram, text states: "AWS Storage Gateway Is a hybrid storage device Connect On-Prem storage with AWS storage". To the right of the diagram is a vertical list of topics: Backup, Archival, Disaster Recovery, Data Processing, Operating System, Storage Tiering, and Migrating data. The right sidebar shows the "Course content" list with 21 items, each with a duration. The bottom of the page has a search bar and a taskbar.

Course content

- 3min
- 12. What is a Public Cloud ? 2min
- 13. What is a Private Cloud ? 1min
- 14. Characteristics of Private Cloud 2min
- 15. What is Hybrid Cloud ? 1min
- 16. Characteristics of Hybrid Cloud 1min
- 17. Review and What Next!! 1min
- 18. What is Infrastructure as a service ? 4min
- 19. IAAS - Use Cases 2min
- 20. What is Platform as a Service? 2min
- 21. PAAS - Use Cases 4min

About this course

Learn from Cloud and security instructor about the AWS Platform, global infrastructure, security, and the core services.

Coding Details:

Problem Statement 1: Write a 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.

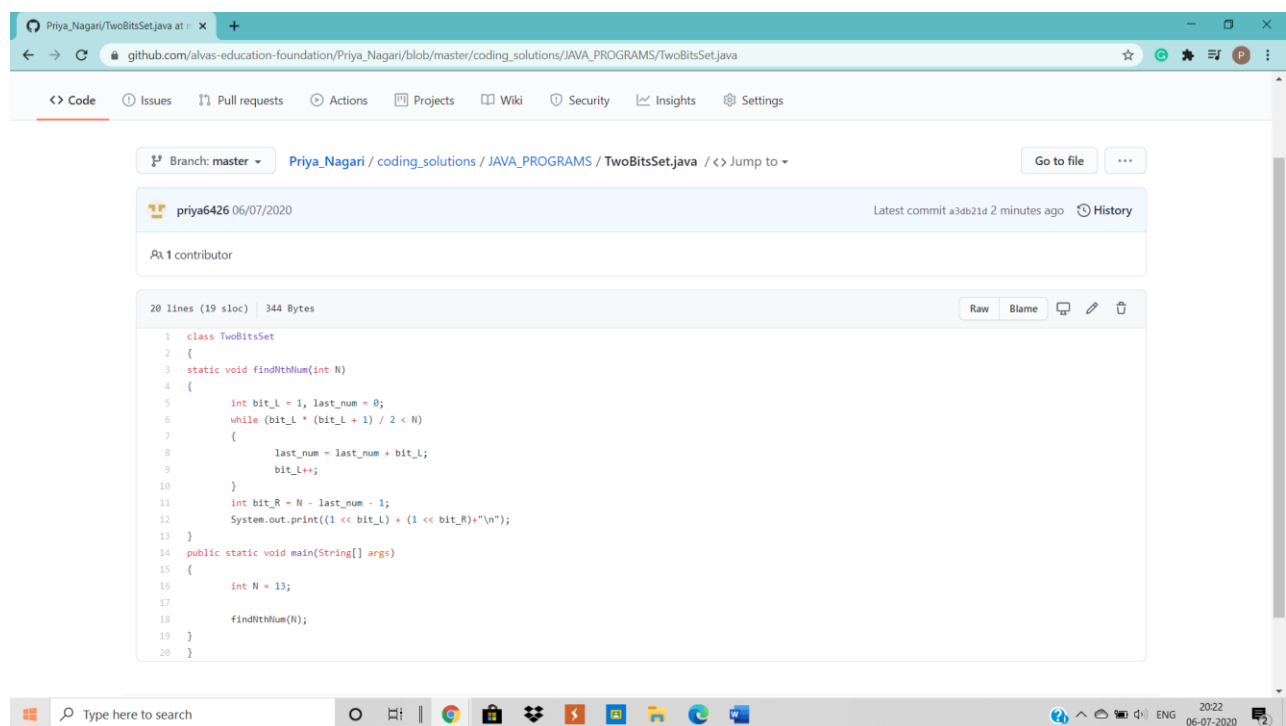
Examples:

Input: N = 4

Output: 9

Input: N = 15

Output: 48



The screenshot shows a web browser displaying a GitHub repository page for a Java program. The browser's address bar shows the URL: `github.com/alvas-education-foundation/Priya_Nagari/blob/master/coding_solutions/JAVA_PROGRAMS/TwoBitsSet.java`. The repository page includes a navigation bar with links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below the navigation bar, the repository name is `Priya_Nagari / coding_solutions / JAVA_PROGRAMS / TwoBitsSet.java`. The file is a Java program named `TwoBitsSet.java`, which is 20 lines long (19 sloc) and 344 bytes. The code is displayed in a light blue editor with line numbers. The code defines a class `TwoBitsSet` with a static method `findNthNum(int N)` that finds the Nth natural number with exactly two bits set. The method uses a loop to generate numbers with two bits set until the Nth one is found. The main method calls `findNthNum(15)` and prints the result. The output of the program is `48`.

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

Pre-placement activities: Not held

Online Training :Today I attended a Session #1: Salesforce - Job ready program at 11:30 AM.

Session #2: TCS-TCSion Internship at 2.30 PM.