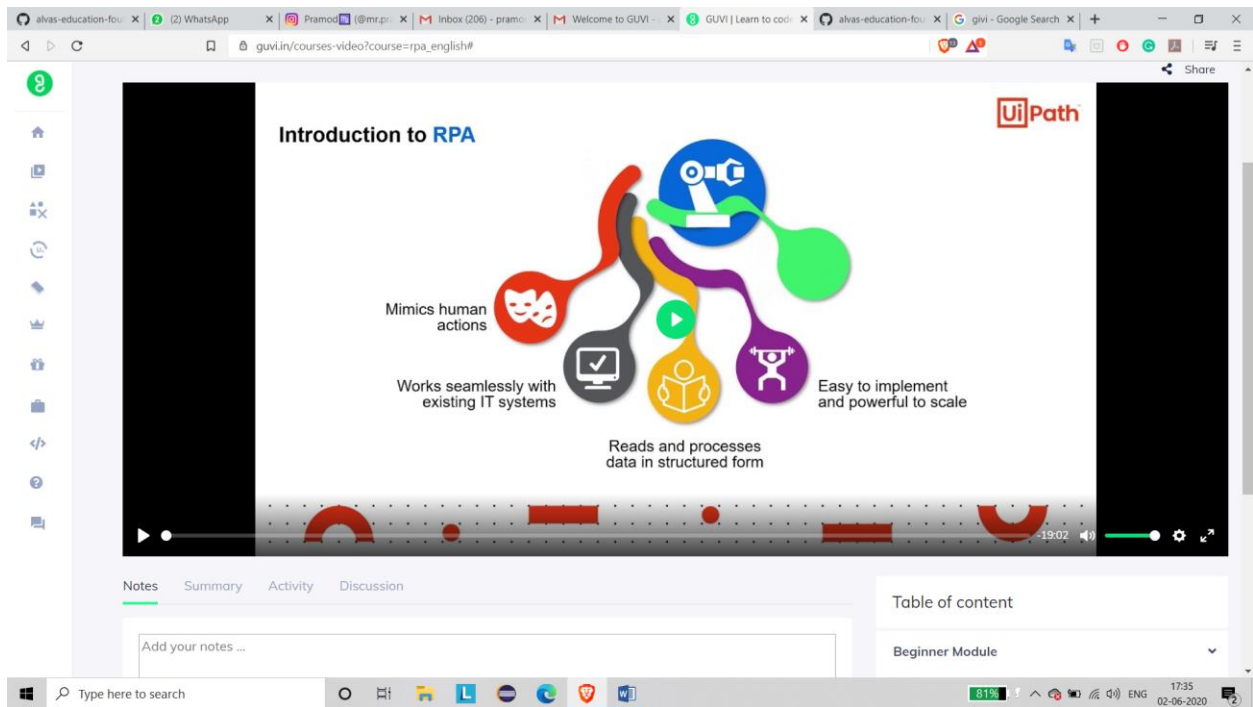


DAILY ONLINE ACTIVITIES SUMMARY

Date:	02/06/2020	Name:	Pramod R
Sem & Sec	4 th sem B section	USN:	4AL18CS059
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Step into Robotic Process Automation		
Certificate Provider	GUVI (In association with Ui Path)	Duration	3 Hours
Coding Challenges			
<p>Problem Statement: Given an array arr[] of integers and an integer K, the task is to print all subsets of the given array with the sum equal to the given target K. Examples: Input: arr[] = {5, 10, 12, 13, 15, 18}, K = 30 Output: {12, 18}, {5, 12, 13}, {5, 10, 15} Explanation: Subsets with sum 30 are: 12 + 18 = 30 5 + 12 + 13 = 30 5 + 10 + 15 = 30 Input: arr[] = {1, 2, 3, 4}, K = 5 Output: {2, 3}, {1, 4}</p>			
Status: Completed			
Uploaded the report in Github		YES	
If yes Repository name		https://github.com/alvas-education-foundation/Pramod_R	

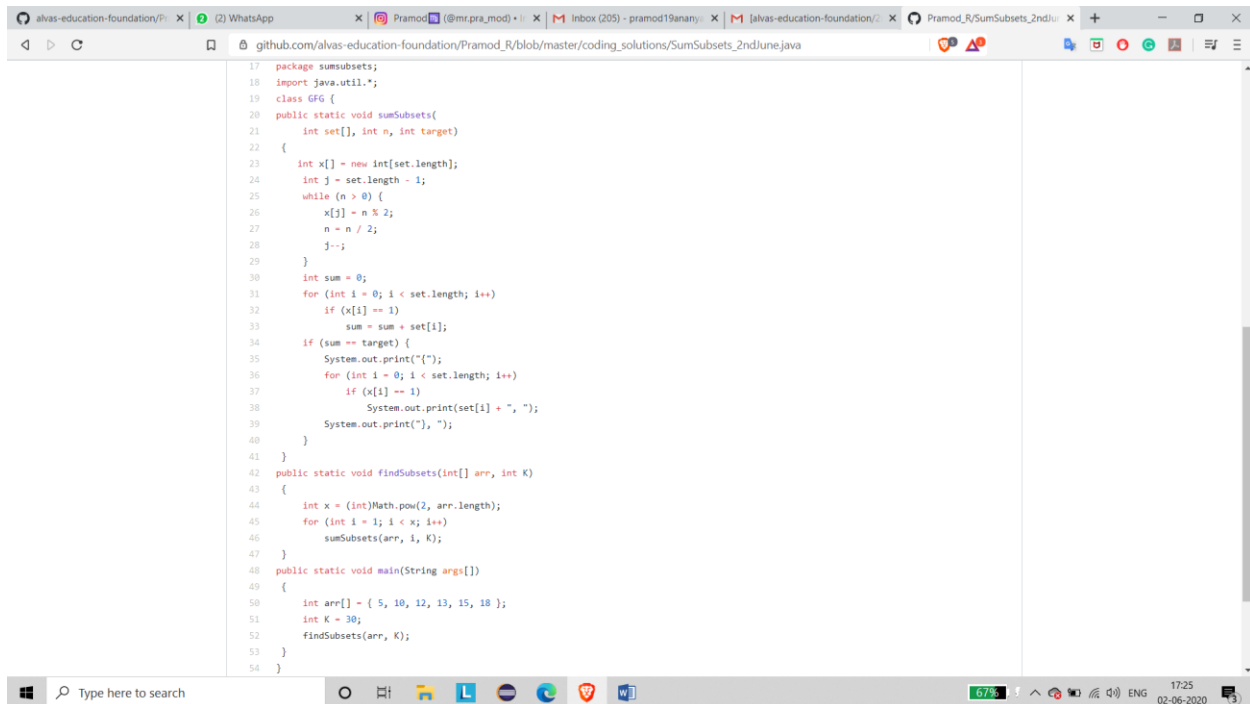
Uploaded the report in slack	YES
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Certification Course Details: (Attach the snapshot and briefly write the report for the same)



The course I have completed today is **Step into Robotic Process Automation**. Robotic Automation is one of the trending technologies in the IT sector. It has a bright future in the IT sector. Since Robotic Automation can change the trend in the IT sector I have done this course today.

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



```
17 package sumsubsets;
18 import java.util.*;
19 class GFG {
20     public static void sumSubsets(
21         int set[], int n, int target)
22     {
23         int x[] = new int[set.length];
24         int j = set.length - 1;
25         while (n > 0) {
26             x[j] = n % 2;
27             n = n / 2;
28             j--;
29         }
30         int sum = 0;
31         for (int i = 0; i < set.length; i++)
32             if (x[i] == 1)
33                 sum = sum + set[i];
34         if (sum == target) {
35             System.out.println("");
36             for (int i = 0; i < set.length; i++)
37                 if (x[i] == 1)
38                     System.out.print(set[i] + " ");
39             System.out.println("");
40         }
41     }
42     public static void findSubsets(int[] arr, int K)
43     {
44         int x = (int) Math.pow(2, arr.length);
45         for (int i = 1; i < x; i++)
46             sumSubsets(arr, i, K);
47     }
48     public static void main(String args[])
49     {
50         int arr[] = { 5, 10, 12, 13, 15, 18 };
51         int K = 30;
52         findSubsets(arr, K);
53     }
54 }
```

The question I took to code is:

Given an array `arr[]` of integers and an integer `K`, the task is to print all subsets of the given array with the sum equal to the given target `K`.

Examples:

Input: `arr[] = {5, 10, 12, 13, 15, 18}`, `K = 30`

Output: `{12, 18}`, `{5, 12, 13}`, `{5, 10, 15}`

Explanation:

Subsets with sum 30 are:

$12 + 18 = 30$

$5 + 12 + 13 = 30$

$5 + 10 + 15 = 30$

Input: `arr[] = {1, 2, 3, 4}`, `K = 5`

Output: `{2, 3}`, `{1, 4}`

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