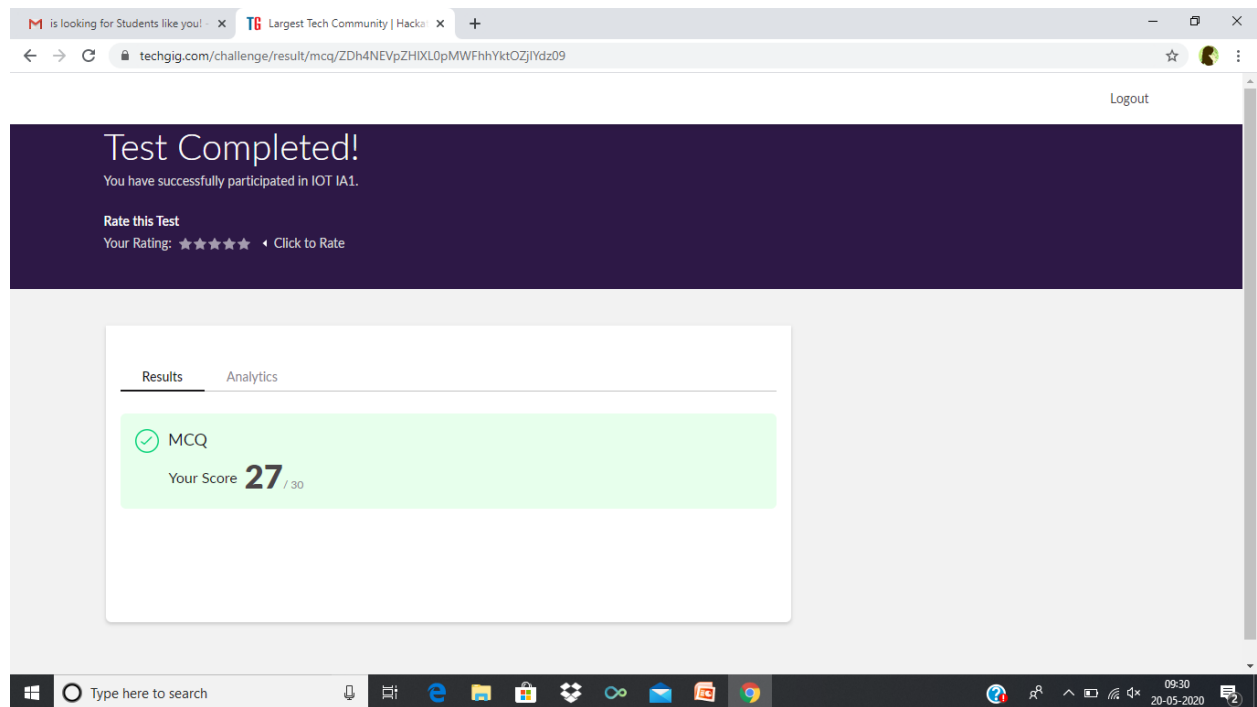
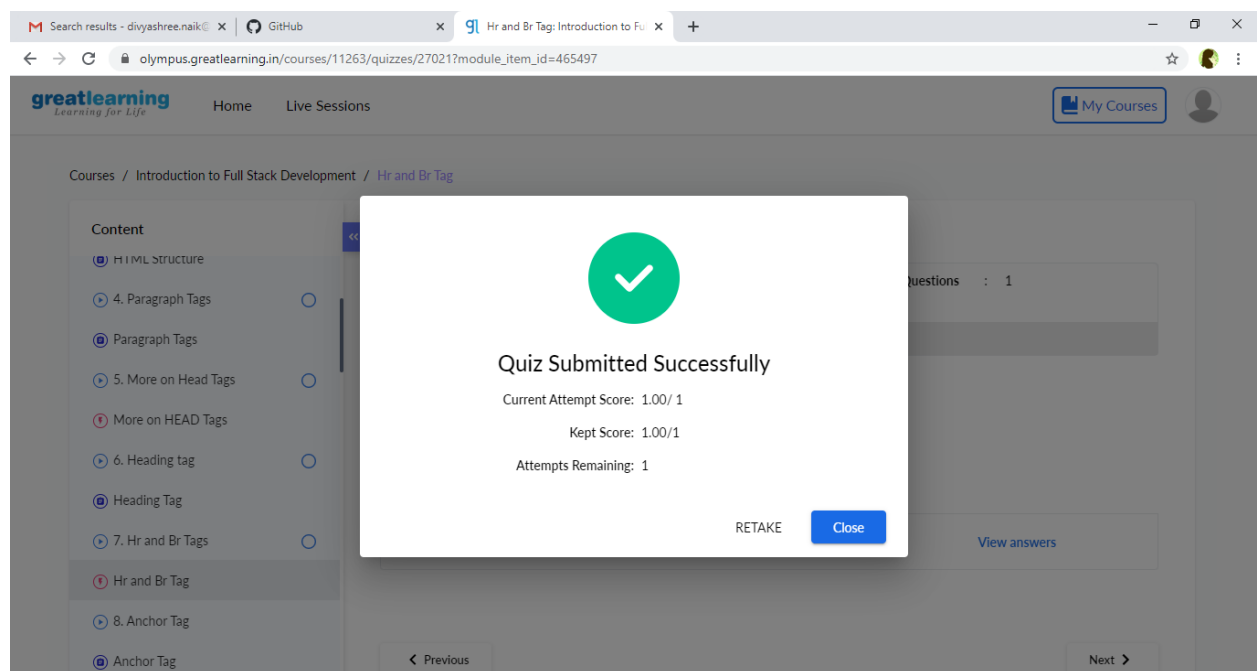


## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	20/05/2020	Name:	Divyashree Naik
Sem & Sec	8 <sup>th</sup> sem A	USN:	4AL16CS034
<b>Online Test Summary</b>			
Subject	Internet of Things		
Max. Marks	30	Score	27
<b>Certification Course Summary</b>			
Course	Introduction to full stack development		
Certificate Provider	Great Learning	Duration	4hrs
<b>Coding Challenges</b>			
Problem Statement: C Program to Reverse a Linked List in groups of given size.			
Status:Complete			
Uploaded the report in Github		Yes	
If yes Repository name		Alvas-Report	
Uploaded the report in slack		Yes	

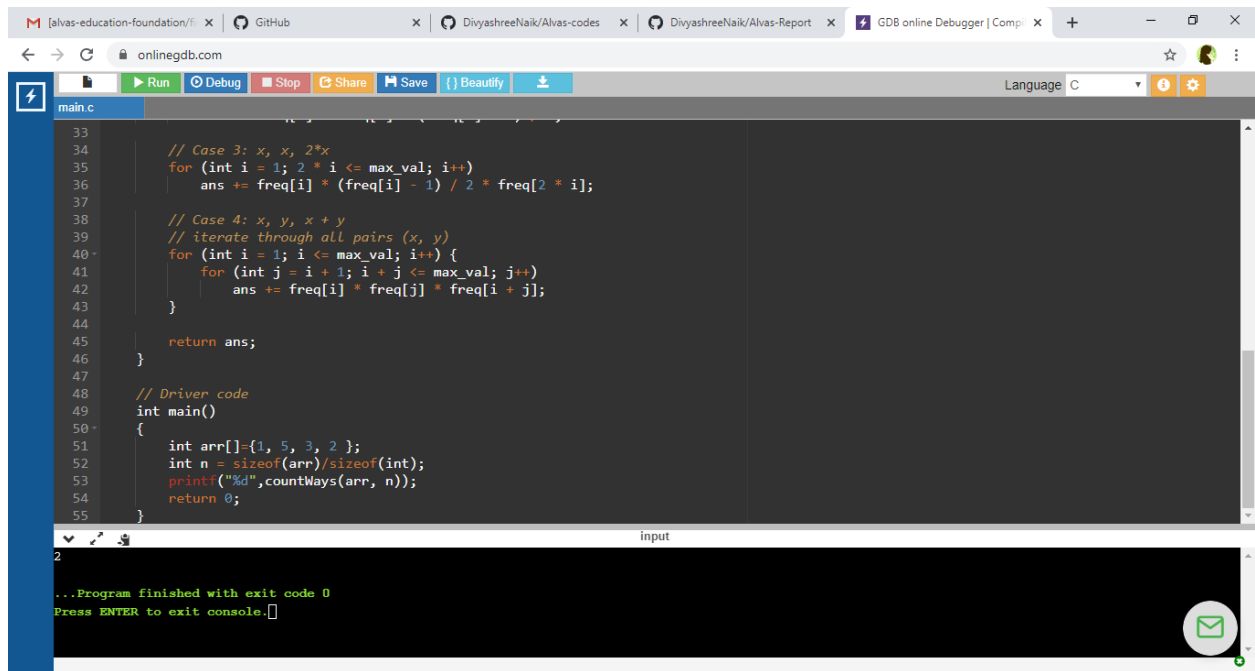


## Onlile certification



Horizontal rule tag and line break tags and their quiz.

## Coding challenge



The screenshot shows a web browser with several tabs open, including 'GDB online Debugger | Compiler'. The active tab is 'onlinegdb.com', which displays a C program in a dark-themed editor. The program includes two cases for calculating the number of ways to reach a target value 'x' using an array of numbers. Case 3 uses a frequency array and a loop to calculate the number of ways. Case 4 uses a nested loop to iterate through all pairs of numbers in the array. The driver code in the main function initializes an array [1, 5, 3, 2] and calls the countWays function. The output console at the bottom shows the program finished with exit code 0.

```
33
34 // Case 3: x, x, 2*x
35 for (int i = 1; 2 * i <= max_val; i++)
36     ans += freq[i] * (freq[i] - 1) / 2 * freq[2 * i];
37
38 // Case 4: x, y, x + y
39 // iterate through all pairs (x, y)
40 for (int i = 1; i <= max_val; i++) {
41     for (int j = i + 1; i + j <= max_val; j++)
42         ans += freq[i] * freq[j] * freq[i + j];
43 }
44
45 return ans;
46 }
47
48 // Driver code
49 int main()
50 {
51     int arr[]={1, 5, 3, 2 };
52     int n = sizeof(arr)/sizeof(int);
53     printf("%d",countWays(arr, n));
54     return 0;
55 }
```

input

2

...Program finished with exit code 0  
Press ENTER to exit console.