DAILY ONLINE ACTIVITIES SUMMARY

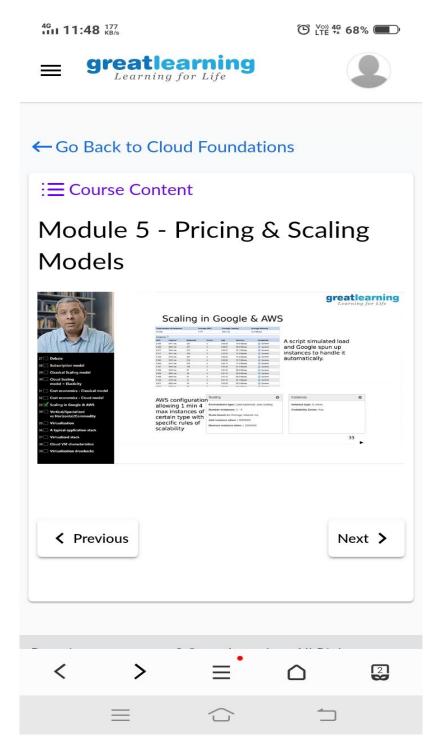
Date:	09/06/2020		Name:	Prajwal		
Sem & Sec	IV sem & B sec		USN:	4AL18CS057		
Online Test Summary						
Subject	bject Design And Analysis Of Algorithm					
Max. Marks	3		Score			
Certification Course Summary						
Course	Cloud Fo	Cloud Foundation				
Certificate Provider		Great Learning	Duration		05 hours	
Coding Challenges						
Problem Statement:1. Write a C program to rotate the matrix by K times.						
2. Write a java program to count all the triplets such that sum of two elements equals to the third element.						
3. Write a java program to find total number of subarrays which start and end with same elements.						
Status: Done						
Uploaded the report in Github			YES			
If yes Repos	itory nam	ne	https://github.com/PRAJWALKOTIAN/lockdown-coding			
Uploaded the report in slack			YES			

Online test details

No test was conducted on 09 june 2020.

Certification Course Details

The cource I have choosen is CLOUD FOUNDATIONS in this I studied regarding pricing and scaling models



Coding Challenges Details

The bellow given codes are there on my github repository https://github.com/PRAJWALKOTIAN/lockdown-coding

1. Write a C program to rotate the matrix by K times.

```
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#include <iostream>
#define M 3
#define N 3
using namespace std;
void displayMatrix(int matrix[][M])
    for (int i = 0; i < N; i++)
        for (int j = 0; j < M; j++)
             cout << matrix[i][j] << " ";</pre>
        cout << endl;
    }
int main()
    int matrix[N][M];
    cout<<"Enter the matrix elements"<<endl;</pre>
    for(int i = 0 ; i < M ; i++)
        for(int j = 0; j < N; j++)
             cin >> matrix[i][j];
    cout << "The given matrix is" << endl;</pre>
    displayMatrix(matrix);
    int temp[M];
    cout << "Number of rotations : ";</pre>
    cin >> k;
    k = k \% M;
    for (int i = 0; i < N; i++)
    {
```

2. Write a java program to count all the triplets such that sum of two elements equals to the third element.

```
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      6
Count_all_triplets{
atic int countWays(int[] arr, int n)
 int max_val = 0;
 for (int i = 0; i < n; i++)
      max_val = Math.max(max_val, arr[i]);
  int[] freq = new int[max_val + 1];
 for (int i = 0; i < n; i++)
      freq[arr[i]]++;
 int ans = 0;
  ans += freq[0] * (freq[0] - 1) * (freq[0] -
 for (int i = 1; i <= max_val; i++)</pre>
      ans += freq[0] * freq[i] * (freq[i] - 1
 for (int i = 1; 2 * i <= max_val; i++)
      ans += freq[i] * (freq[i] - 1) / 2 * fr
```

3. Write a java program to find total number of subarrays which start and end with same elements.

```
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public static void cntArray(int A[], int N)
    int result = 0;
    for (int i = 0; i < N; i++) {
         result++;
         int current_value = A[i];
         for (int j = i + 1; j < N; j++) {
             if (A[j] == current_value) {
                 result++;
         }
    }
    // print the result
    System.out.println(result);
```