**DAILY ONLINE ACTIVITIES SUMMARY**

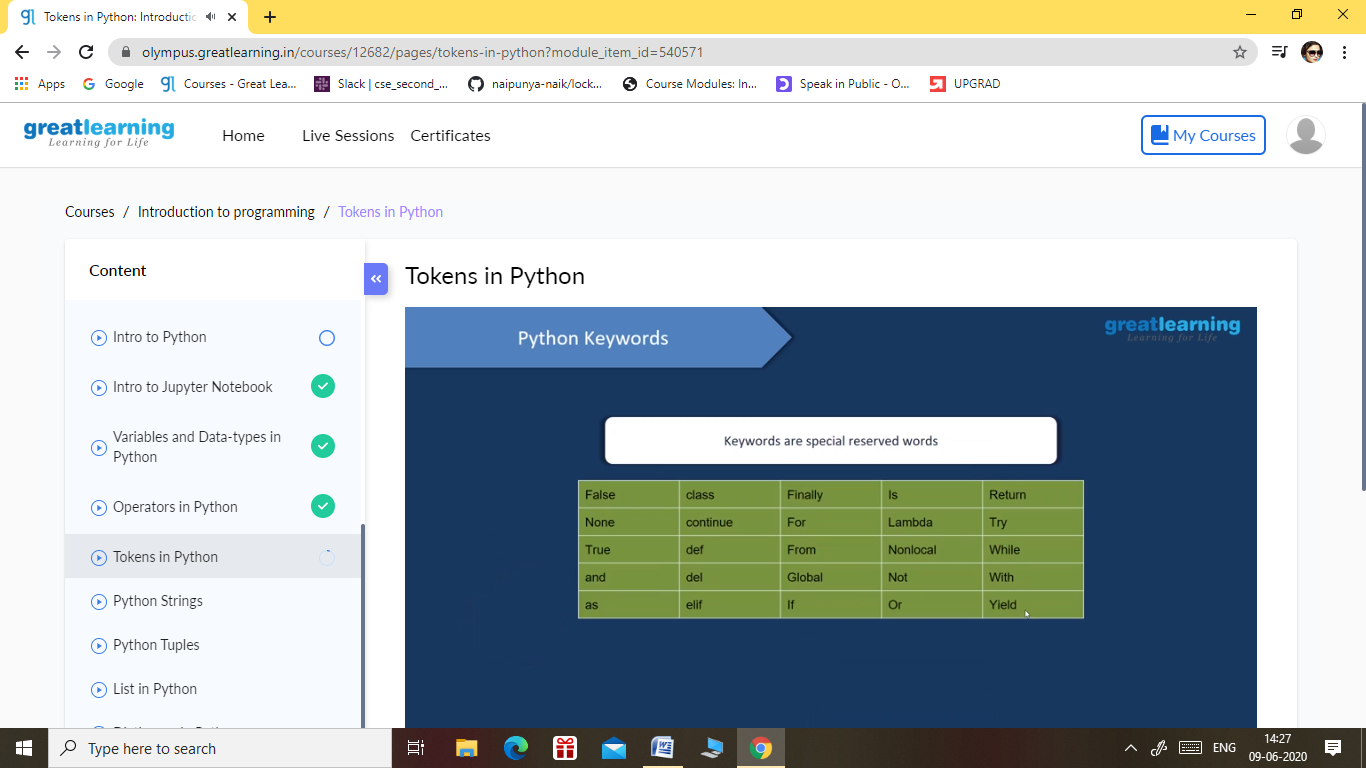
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **09/06/2020** | | | | | **Name:** | **NAIPUNYA VINOD NAIK** | |
| **Sem & Sec** | **IV SEM & A SECTION** | | | | | **USN:** | **4AL18CS050** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **N/A** | | | | | | |
| **Max. Marks** | | **N/A** | | **Score** | | | **N/A** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **INTRODUCTION TO PROGRAMMING** | | | | | | | |
| **Certificate Provider** | | | **GREAT LEARNING ACADEMY** | | **Duration** | | | **5.5 HRS** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement:1)** [Write a C Program to rotate the matrix by K times.](https://github.com/orgs/alvas-education-foundation/teams/2nd-year/discussions/109)  **2)** [Write a java program to count all the triplets such that sum of two elements equals the third element.](https://github.com/orgs/alvas-education-foundation/teams/2nd-year/discussions/111) | | | | | | | | |
| **Status: EXECUTED** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **YES** | | | |
| **If yes Repository name** | | | | | <https://github.com/naipunya-naik/lockdown-coding/blob/master/C%2B%2B%20CODING/rotate%20matrix_09-06-2020.cpp>  <https://github.com/naipunya-naik/lockdown-coding/blob/master/JAVA%20CODING/Triplet_09-06-2020.java> | | | |
| **Uploaded the report in slack** | | | | | **YES** | | | |

Online Test Details: (Attach the snapshot and briefly write the report for the same).

NO INTERNALS CONDUCTED

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

CERTIFICATION COURSE NAME:- INTRODUCTION TO PROGRAMMING



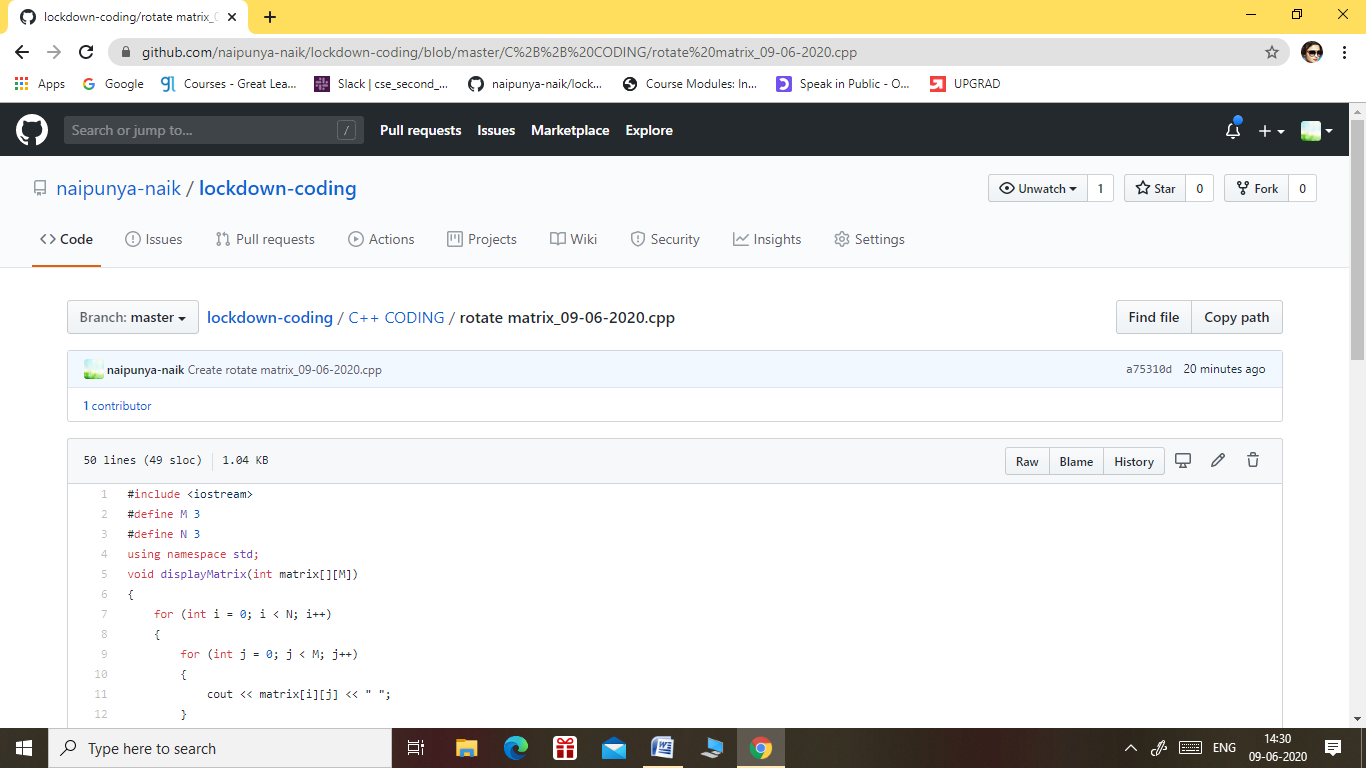
TOPICS LEARNT ON 08 JUNE 2020:-

* Intro to Python
* Intro to Jupyter Notebook
* Variables and Data-types in Python
* Operators in Python
* Tokens in Python

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

PROBLEM STATEMENT 1:- [Write a C Program to rotate the matrix by K times.](https://github.com/orgs/alvas-education-foundation/teams/2nd-year/discussions/109)

Rotate the matrix by K times means rotating the given NN matrix to the specified (K) number of times. For example, consider the 33 matrix, which has to be rotated once,  
Enter the Size of the Matrix: 3, 3  
Enter the Elements of the Matrix: 10, 20, 39, 40, 50, 60, 70, 80, 90  
Enter the value of K (Number of Rotations): 1  
Matrix before Rotation:  
10 20 30  
40 50 60  
70 80 90  
Matrix after Rotation:  
20 30 10  
50 60 40  
80 90 70



GITHUB REPOSITORY LINK:-

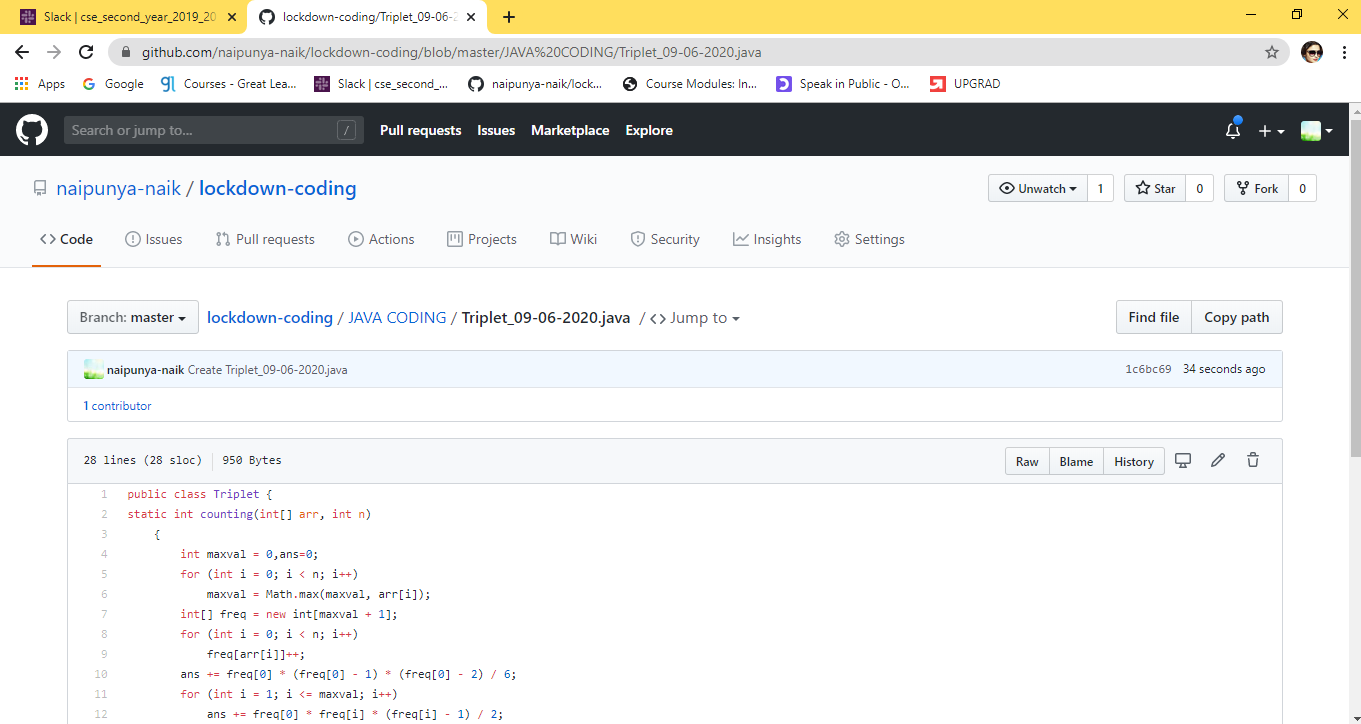
<https://github.com/naipunya-naik/lockdown-coding/blob/master/C%2B%2B%20CODING/rotate%20matrix_09-06-2020.cpp>

PROBLEM STATEMENT 2:- [Write a java program to count all the triplets such that sum of two elements equals the third element.](https://github.com/orgs/alvas-education-foundation/teams/2nd-year/discussions/111)

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| Given an array of distinct integers. The task is to count all the triplets such that sum of two elements equals the third element.  Input: The first line of input contains an integer T denoting the number of test cases. Then T test cases follow. Each test case consists of two lines. First line of each test case contains an Integer N denoting size of array and the second line contains N space separated elements.  Output: For each test case, print the count of all triplets, in new line. If no such triplets can form, print "-1".  Constraints: 1 <= T <= 100 3 <= N <= 105 1 <= A[i] <= 106  **Example:** Input: 4 1 5 3 2  Output: 2  Explanation: There are 2 triplets: 1 + 2 = 3 and 3 +2 = 5 |

GITHUB REPOSITORY LINK:-

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<https://github.com/naipunya-naik/lockdown-coding/blob/master/JAVA%20CODING/Triplet_09-06-2020.java>