

## **DAILY ONLINE ACTIVITIES SUMMARY**

<b>Date:</b>	09/06/2020	<b>Name:</b>	Priya Nagari
<b>Sem &amp; Sec</b>	Fourth SEM section B	<b>USN:</b>	4AL18CS063
<b>Online Test Summary</b>			
<b>Subject</b>	_____		
<b>Max. Marks</b>	_____	<b>Score</b>	_____
<b>Certification Course Summary</b>			
<b>Course</b>	The complete Android app development Masterclass: Build apps		
<b>Certificate Provider</b>	Udemy	<b>Duration</b>	32 hours
<b>Coding Challenges</b>			
<b>Problem Statement 1:</b> C Program to rotate the matrix by K times			
<b>Status:</b>			
<b>Uploaded the report in Github</b>		YES	
<b>If yes Repository name</b>		<b>Priya_Nagari</b> link: <a href="https://github.com/alvas-education-foundation/Priya_Nagari">https://github.com/alvas-education-foundation/Priya_Nagari</a>	
<b>Uploaded the report in slack</b>		YES	

**Online Test Details: 3<sup>rd</sup> test**

NO TEST

**Certification Course Details:**

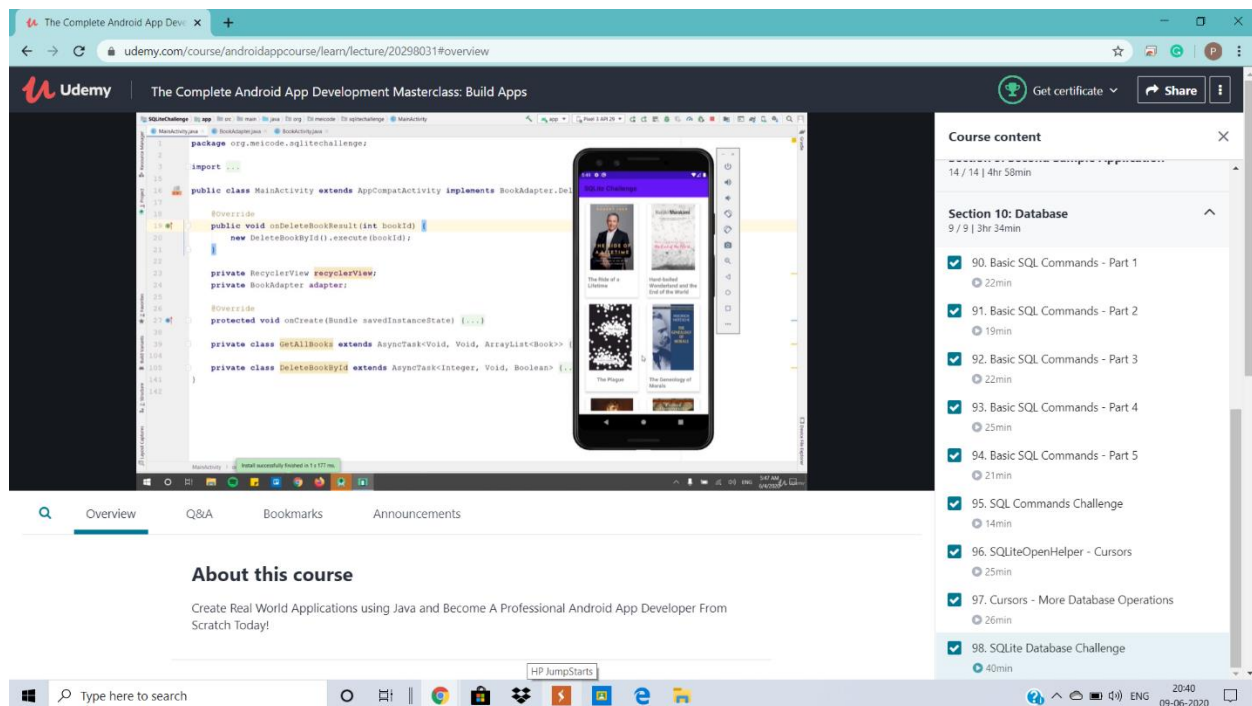
**Name of the course:** The complete Android app development Masterclass: Build apps

**Certificate Provider:** Udemy

total duration is 29 hours.

By completing the lectures on SQL database topic ,Today I completed entire course. But still I need to work on this .So from next day I going practice and repeat those all things which are not done completely like challenges .

I will upload the certificate of this course which I got today, in the folder named as certifications of completed courses .



## Online Coding Details:

**Problem Statement 1:** Coding Challenges Details: Today 3 programs were given to write code. In that, 2 java programs given by Prof Shilpa and 1 C-program given by Prof Venkatesh. Today I had solved only c program as I already solved and uploaded two java programs in GitHub. The c program problem statement is:

1. Rotate the matrix by K times means rotating the given NN matrix to the specified (K) number of times. For example, consider the 3x3 matrix, which must be rotated once,

Enter the Size of the Matrix: 3, 3

Enter the Elements of the Matrix: 10, 20, 30, 40, 50, 60, 70, 80,

90 Enter the value of K (Number of Rotations): 1 Matrix before Rotation:

10 20 30

40 50 60

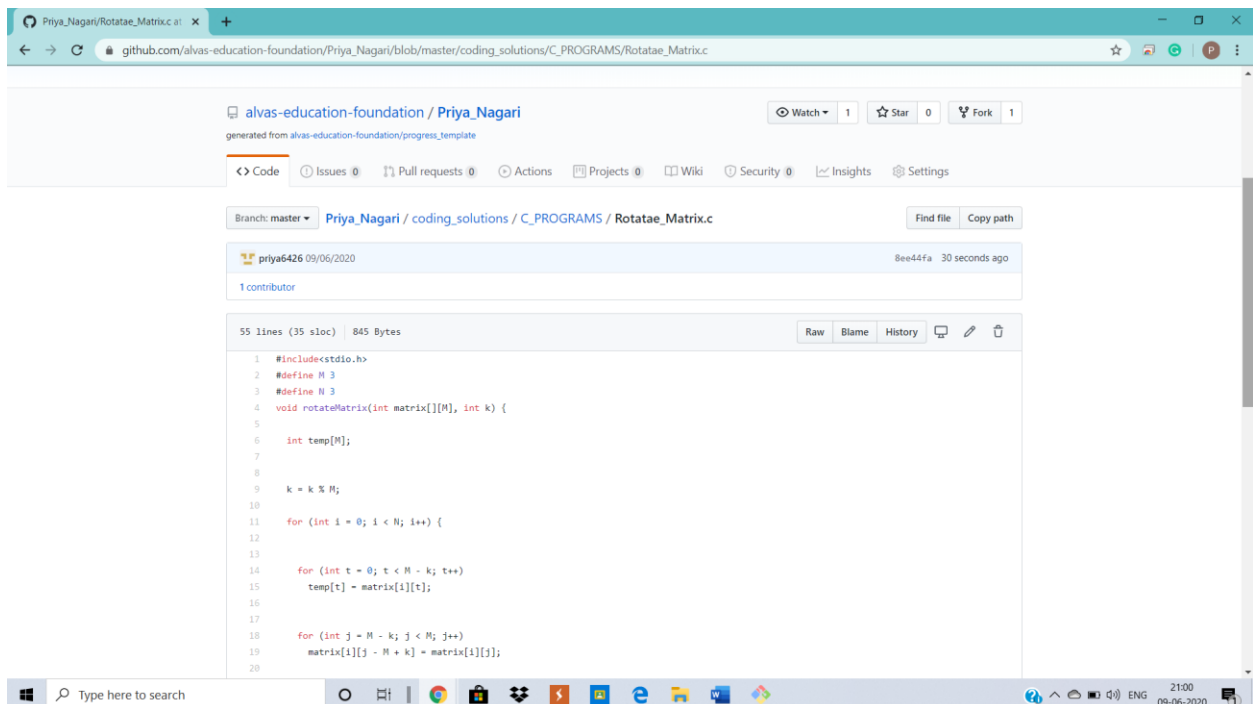
70 80 90

Matrix after Rotation:

30 10 20

60 40 50

90 70 80



The screenshot shows a GitHub repository page for 'alvas-education-foundation / Priya\_Nagari'. The file 'Rotate\_Matrix.c' is selected, showing its code. The code is a C program that rotates a 3x3 matrix by K times. It includes a function 'rotateMatrix' that takes a 2D array 'matrix' and an integer 'k'. The code uses nested loops to rotate the matrix. The output of the program is shown as a 3x3 matrix after rotation.

```
1 #include<stdio.h>
2 #define M 3
3 #define N 3
4 void rotateMatrix(int matrix[][M], int k) {
5
6     int temp[M];
7
8     k = k % M;
9
10    for (int i = 0; i < N; i++) {
11
12        for (int t = 0; t < M - k; t++)
13            temp[t] = matrix[i][t];
14
15        for (int j = M - k; j < M; j++)
16            matrix[i][j - M + k] = matrix[i][j];
17
18    }
19 }
```