# DAILY ONLINE ACTIVITIES SUMMARY

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|---|---|---|---|
| **Date:** | **28/06/2020** | **Name:** | **Deepa** |
| **Sem & Sec** | **8th Sem** | **USN:** | **4AL16CS029** |
| **Online Test Summary** | | | |
| **Subject** | **- -** | | |
| **Max. Marks** | **- -** | **Score** | **- -** |
| **Certification Course Summary** | | | |
| **Course** | **The Complete 2019 Raspberry Pi bootcamp** | | |
| **Certificate Provider** | **udemy.com/** | **Duration** | **4 hrs** |
| **Coding Challenges** | | | |
| **Problem Statement: 1) Write a C program to check weather given matrix is upper triangular or not.** | | | |
| **Status: Completed** | | | |
| **Uploaded the report in Github** | **Yes** | | |
| **If yes Repository name** | **Daily_report** | | |
| **Uploaded the report in slack** | **yes** | | |

**Online Test Details:**

**- -**

**Certification Course Details:**

- [x] 18. A tour inside Raspberry Pi Operating System
  4min
- [x] 19. Raspberry Pi Command Line
  6min
- [x] 20. Updating Software Packages
  6min

**Section 6: Control Raspberry Pi Board From another device**
4 / 4 | 19min

- [x] 21. Control Raspberry Pi from another Device using SSH
  4min
- [x] 22. Control Raspberry Pi from another Device using VNC Server
  8min
- [x] 23. Assign A fix IP Address for Raspberry Pi Board
  4min
- [x] 24. Connecting Raspberry Pi to another computer using Network Cable
  4min

**Section 7: Control General Purpose Input Output**
0 / 3 | 14min

## Section 7: Control General Purpose Input Output

3 / 3 | 14min

- [x] 25. Programming GPIO with Python
  4min
- [x] 26. Python and Your First Code
  8min
- [x] 27. Installing the Control Library
  3min

## Section 8: Practical Examples

4 / 4 | 17min

- [x] 28. Example 1 Blinking Led
  7min
- [x] 29. Example Two Reading Input Values From A Switch
  3min
- [x] 30. Example Three Running the Led Using LDR
  3min
- [x] 31. Example Four PIR Motion Detector
  4min

## Section 9: Arduino Vs Raspberry PI Vs PIC Microcontroller

0 / 7 | 32min

**Coding Challenges Details:**

**Program 1:**

```
#include <stdio.h>


int main()
{
   int n;
   printf("Enter the values of n: ");
   scanf("%d",&n);
   int flag = 0;
   int mat[n][n];
   int i, j;
   printf("Enter the elements:\n");
   for(i = 0; i < n; i++)
   {
      for(j = 0; j < n; j++)
         scanf("%d",&mat[i][j]);
   }


   for (i = 1; i < n; i++)
      for (j = 0; j < i; j++)
         if (mat[i][j] != 0)
            flag = 0;
```

```
    else

        flag = 1;
    if (flag == 1)

        printf("Upper Triangular Matrix\n");

    else

        printf("Not an Upper Triangular Matrix\n");

    return 0;

}
```