DAILY ONLINE ACTIVITIES SUMMARY

Date:	27/06/2020		Name:	Deepa
Sem & Sec	8th Sem		USN:	4AL16CS029

<table>
<tr><td colspan="5" align="center">Online Test Summary</td></tr>
<tr><td>Subject</td><td colspan="4">- -</td></tr>
<tr><td>Max. Marks</td><td colspan="2">- -</td><td>Score</td><td>- -</td></tr>
<tr><td colspan="5" align="center">Certification Course Summary</td></tr>
<tr><td>Course</td><td colspan="4">The Complete 2019 Raspberry Pi bootcamp</td></tr>
<tr><td>Certificate Provider</td><td colspan="2">udemy.com/</td><td>Duration</td><td>4 hrs</td></tr>
<tr><td colspan="5" align="center">Coding Challenges</td></tr>
<tr><td colspan="5">Problem Statement: 1) Write a C program to find largest palindrome in given array</td></tr>
<tr><td colspan="5">Status: Completed</td></tr>
<tr><td colspan="3">Uploaded the report in Github</td><td colspan="2">Yes</td></tr>
<tr><td colspan="3">If yes Repository name</td><td colspan="2">Daily_report</td></tr>
<tr><td colspan="3">Uploaded the report in slack</td><td colspan="2">yes</td></tr>
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Online Test Details:

- -

Certification Course Details:

- [x] 1. Introduction
  - ▶ 3min

- [x] 2. Who we are
  - ▶ 1min

- [x] 3. Qucik Intro To Raspberry Pi World
  - ▶ 5min

- [x] 4. 10 Uses for Raspberry Pi Board
  - ▶ 2min

- [x] 5. Very Important Note: Review Process
  - 📄 1min

- [x] 6. Different Versions of Raspberry Pi
  - ▶ 3min

- [ ] 7. Raspberry Pi Components
  - ▶ 2min

- [x] 8. OS Versions Available for Raspberry Pi
  - ▶ 6min

- [x] 9. Arduino Vs Raspberry Pi Vs BeagleBone
  - ▶ 6min

- [x] 10. Course Material Works with any high tech board!
  - ▶ 1min

- ☑ 11. What do you need to RunThe Raspberry Pi
  - ▶ 4min

- ☑ 12. Getting OS and Running Raspberry Pi
  - ▶ 9min

- ☑ 13. Setting Up Raspberry Pi for the First Time
  - ▶ 4min

- ☑ 14. Simulating Raspberry Pi
  - ▶ 5min

Section 3: Raspberry PI Hardware and Starter Kit that can be used with it   ∧
2 / 2 | 8min

- ☑ 15. Simple Starter Kit
  - ▶ 7min

- ☑ 16. Raspberry Pi Model B Unboxing
  - ▶ 1min

Section 4: Make your Own home made Protection Box for Your Board   ∧
1 / 1 | 1min

- ☑ 17. Paper Box designs
  - 📄 1min

Section 5: A Tour inside Raspberry Pi Operating System   ∨
0 / 3 | 17min

Coding Challenges Details:

Program 1:

```c
#include<stdio.h>


int check_palindrome(int n)
{
   int div = 1;
   while(n/div>=10)
     div *=10;


   while (n != 0)
   {
     int first = n / div;
     int last = n % 10;


     //If first and last digits are not same then return false
     if (first !=last)
        return -1;


     // Removing the leading and trailing digits from the number
     n = (n % div) / 10;
```

```
      // Reducing divisor by a factor of 2 as 2 digits are dropped

      div = div / 100;

   }

   return 1;

 }

 int large_palindrome(int A[], int n)

{

    int i;

    // Sort the array

    for(int i=0; i<=n; i++)

    {

      for(int j=i; j<= n; j++)

      {

        if(A[i] >A [j])

        {

          int temp = A[i];

          A[i] = A[j];

          A[j] = temp;

        }

      }

    }


      for(int i=0; i<n; i++)
```

```c
    {
        printf("%d ", A[i]);
    }
    for (i=n-1; i >= 0; i--)
    {
        if (check_palindrome(A[i]) == 1)
            return A[i];
    }
    return -1;
}
int main()
{
    int a[15], n, i;
    printf("Enter the number of entries: \n");
    scanf("%d", &n);
    printf("Enter the elements: \n");
    for(i=0; i<n; i++)
        scanf("%d", &a[i]);
    printf("\n Largest Palindrome: %d\n", large_palindrome(a, n));
    return 0;
}
```