DAILY ONLINE ACTIVITIES SUMMARY

Date:	**06 June 2020**	**Name:**	**Asha Rudrappa Totagi**
Sem& Sec	**6thsem& A sec**	**USN:**	**4AL17CS015**

Online Test Summary

Subject	**Python Application And Programming**		
Max. Marks	**30**	**Score**	**24**

Certification Course Summary

Course	**Data Structure And Algorithms**		
Certificate Provider	**Udemy**	**Duration**	**3 hours**

Coding Challenges

Problem Statement

Program 1: Write a program in C to rotate an array by N positions.

Expected Output :

The given array is : 0 3 6 9 12 14 18 20 22 25 27

Enter the Position N from where you want to rotate: 4

From 4th position the values of the array are : 12 14 18 20 22 25 27

Before 4th position the values of the array are : 0 3 6 9

After rotating from 4th position the array is:

12 14 18 20 22 25 27 0 3 6 9

Program 2: Write a Python program to count the number of strings, provided string length is 2 or more

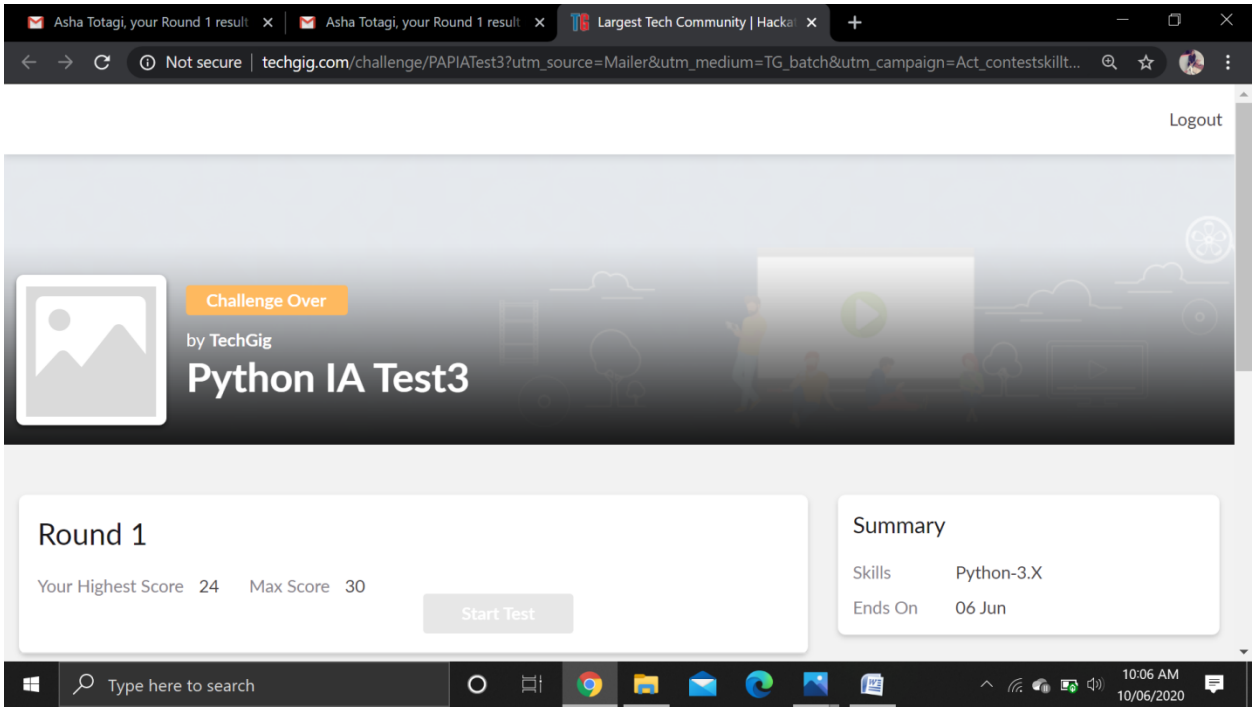
and the first and last character are same from a given list of strings.

Status: DONE

Uploaded the report in Github	**YES**

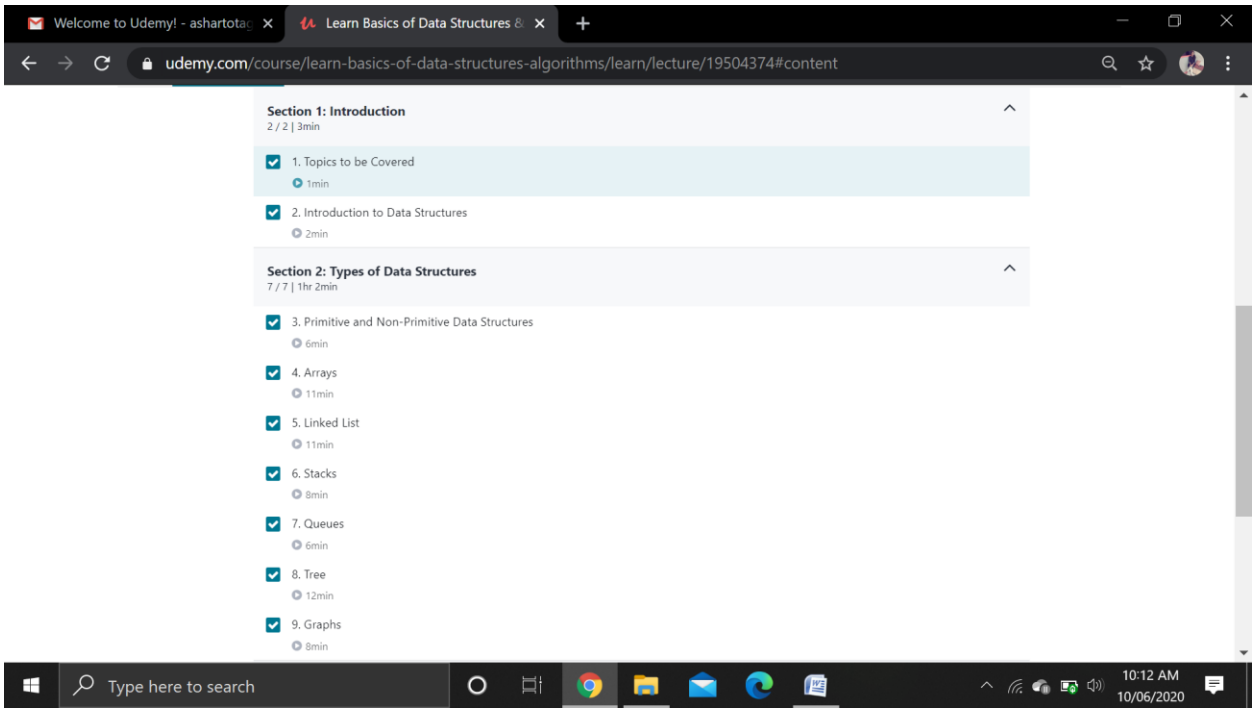
If yes Repository name	Daily Status
Uploaded the report in slack	YES

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



PAP IA3 test was held today i.e, 06 June 2020. Out of 30 marks I scored 24.

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



DAY 1 (06-06-2020) – Introduction to data structure and types of data structure.

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

Program 1:

```
#include <stdio.h>
void shiftArr1Pos(int *arr1, int arrSize)
{
   int i, temp;
     temp = arr1[0];
   for(i = 0; i < arrSize-1; i++)
         {
      arr1[i] = arr1[i+1];
   }
   arr1[i] = temp;
}
void arr1Rotate(int *arr1, int arrSize, int rotFrom)
{
   int i;
   for(i = 0; i < rotFrom; i++)
         {
      shiftArr1Pos(arr1, arrSize);
   }
   return;
}
int main()
{
   int arr1[] = {0,3,6,9,12,14,18,20,22,25,27};
         int ctr = sizeof(arr1)/sizeof(arr1[0]);
   int i;
         printf("The given array is :  ");
         for(i = 0; i < ctr; i++)
         {
         printf("%d  ", arr1[i]);
   }
   printf("\n");
         printf("From 4th position the values of the array are :  ");
         for(i = 4; i < ctr; i++)
         {
```

```
            printf("%d  ", arr1[i]);
        }
        printf("\n");
            printf("Before 4th position the values of the array are :  ");
            for(i = 0; i < 4; i++)
            {
            printf("%d  ", arr1[i]);
        }
        printf("\n");
        arr1Rotate(arr1, ctr, 4);
         printf("\nAfter rotating from 4th position the array is: \n");
        for(i = 0; i<ctr; i++)
                {
           printf("%d ", arr1[i]);
        }
        return 0;
    }
```

Program 2:

```
def match_words(words):
  ctr = 0
  for word in words:
    if len(word) > 1 and word[0] == word[-1]:
      ctr += 1
  return ctr
print(match_words(['hia', 'aba' , '363']))
```