DAILY ONLINE ACTIVITIES SUMMARY

Date:	**9-06-2020**	**Name:**	**ASHIKA**
Sem & Sec	**6 A**	**USN:**	**4AL17CS016**

Online Test Summary

Subject	**CGV AND CNSC**		
Max. Marks	**CGV \ CNSC** **30 60**	**Score**	**CGV \ CNSC** **22 47**

Certification Course Summary

Course	**PYTHON FOR DATA SCIENCE**		
Certificate Provider	**Cognitive class**	**Duration**	**5 hour**

Coding Challenges

Problem Statement:

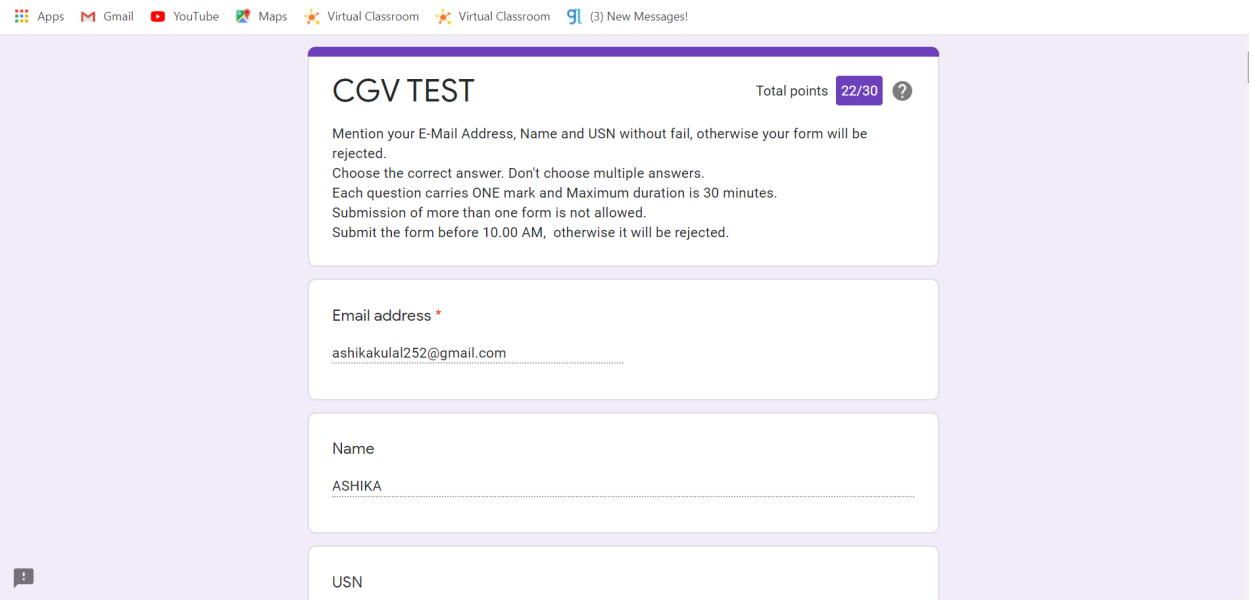
1.write a java Program to print smallest and biggest possible palindrome word in a given string

2. Write a Python to implement Perfect Sum Problem

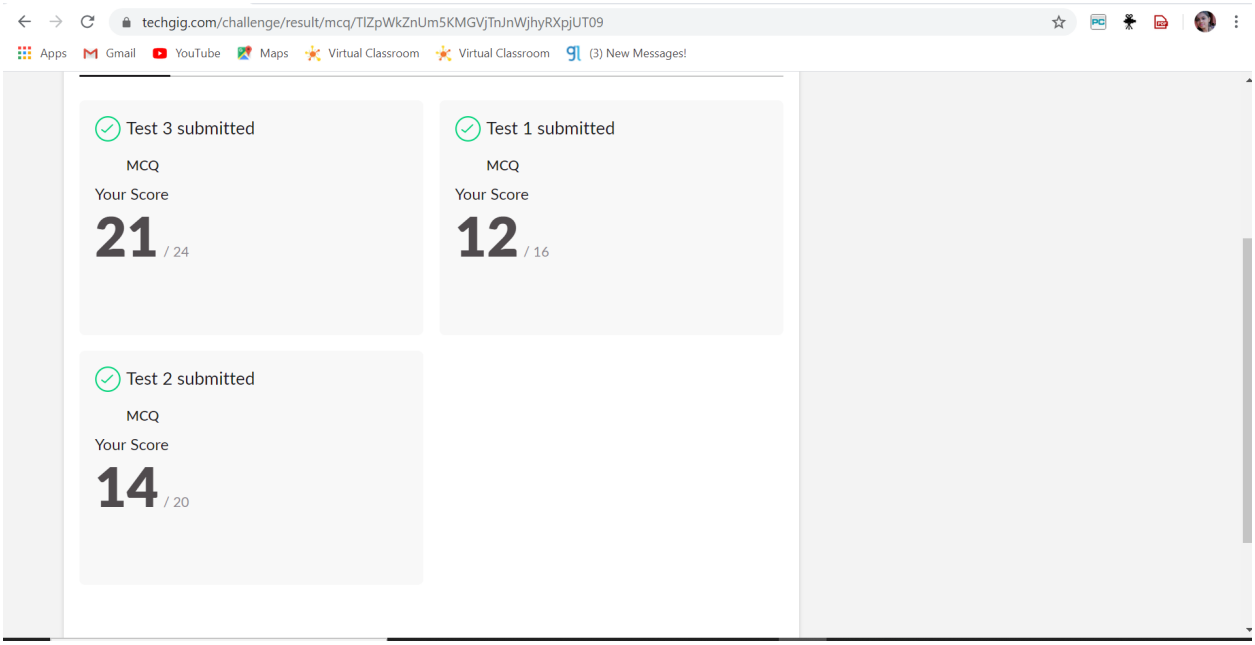
Status: done(executed)

Uploaded the report in Github	**yes**
If yes Repository name	https://github.com/ASHIKA-05/DAILY-REPORT
Uploaded the report in slack	**yes**

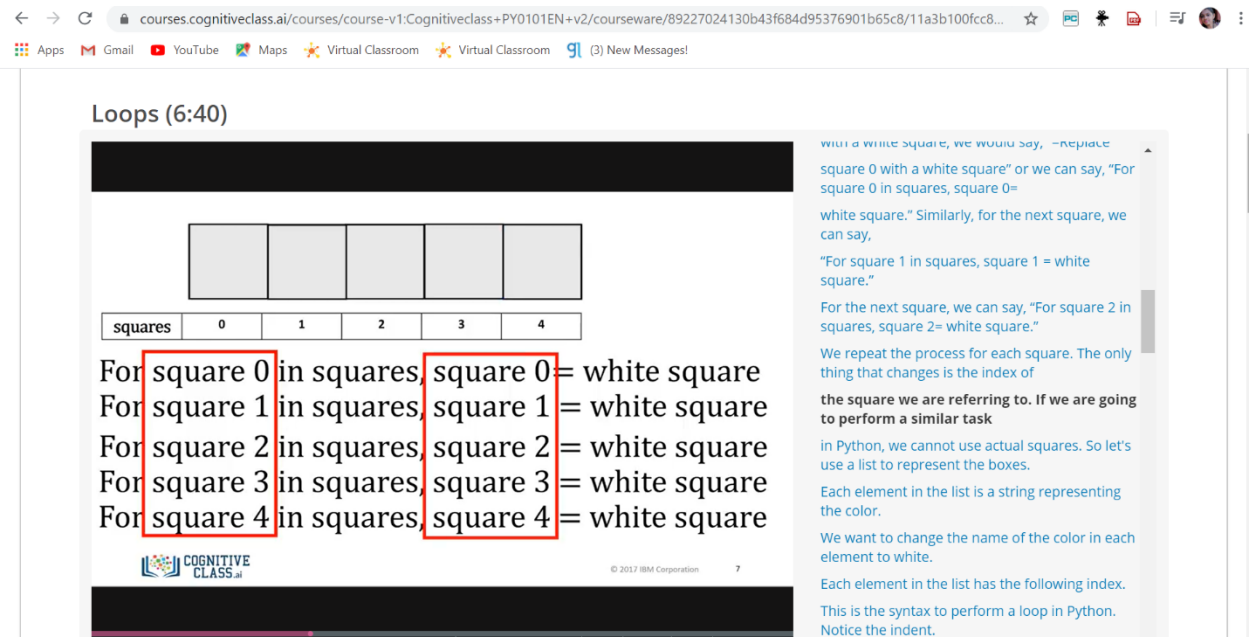
SUBJECT: CGV



SUBJECT: CNSC



CERTIFICATION COURSE



ONLINE CODEING

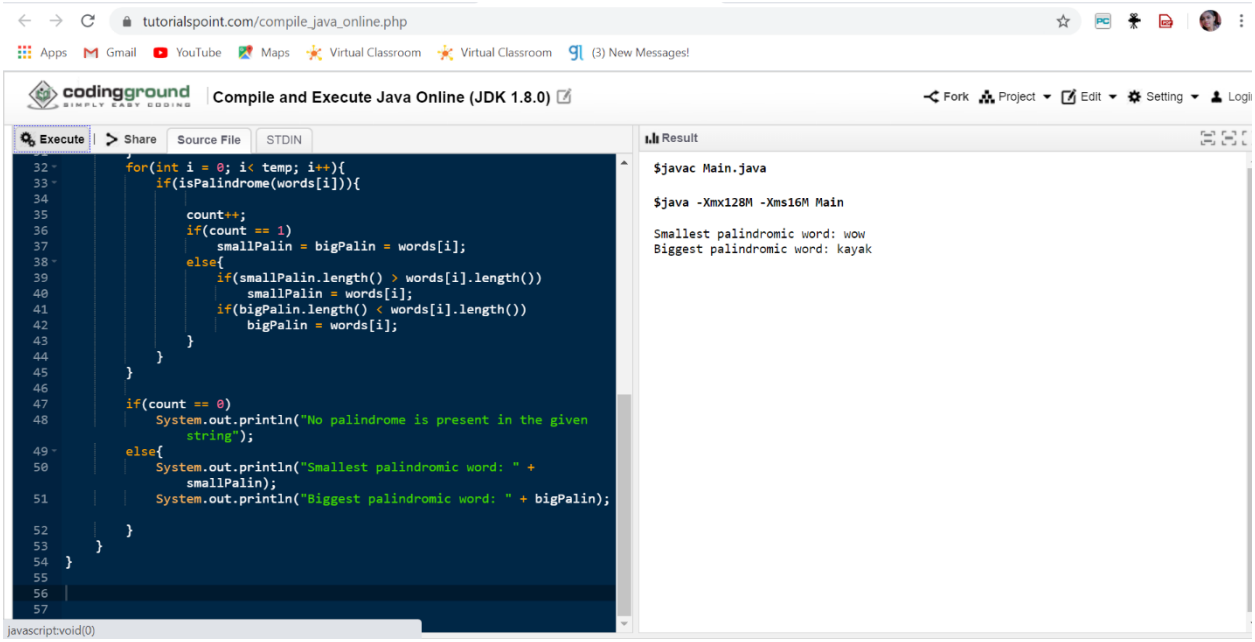
1.write a java Program to print smallest and biggest possible palindrome word in a given string

```
public class Main
{
   public static boolean isPalindrome(String a){
      boolean flag = true;
      for(int i = 0; i < a.length()/2; i++){
         if(a.charAt(i) != a.charAt(a.length()-i-1)){
            flag = false;
            break;
         }
      }
      return flag;
   }
```

```
public static void main(String[] args){
    String string = "Wow you own kayak";
    String word = "", smallPalin = "", bigPalin="";
    String[] words = new String[100];
    int temp = 0, count = 0;
    string = string.toLowerCase();
    string = string + " ";

    for(int i = 0; i < string.length(); i++){
        if(string.charAt(i) != ' '){
            word = word + string.charAt(i);
        }
        else{
            words[temp] = word;
            temp++;
            word = "";
        }
    }
    for(int i = 0; i< temp; i++){
        if(isPalindrome(words[i])){

            count++;
            if(count == 1)
                smallPalin = bigPalin = words[i];
            else{
                if(smallPalin.length() > words[i].length())
                    smallPalin = words[i];
                if(bigPalin.length() < words[i].length())
```

```
                bigPalin = words[i];
            }
        }
    }

    if(count == 0)
        System.out.println("No palindrome is present in the given string");
    else{
        System.out.println("Smallest palindromic word: " + smallPalin);
        System.out.println("Biggest palindromic word: " + bigPalin);
    }
  }
}
```

Output:



2. Write a Python to implement Perfect Sum Problem

Given an array arr[] of integers and an integer K, the task is to print all subsets of the given array with the sum equal to the given target K.

Input: arr[] = {5, 10, 12, 13, 15, 18}, K = 30

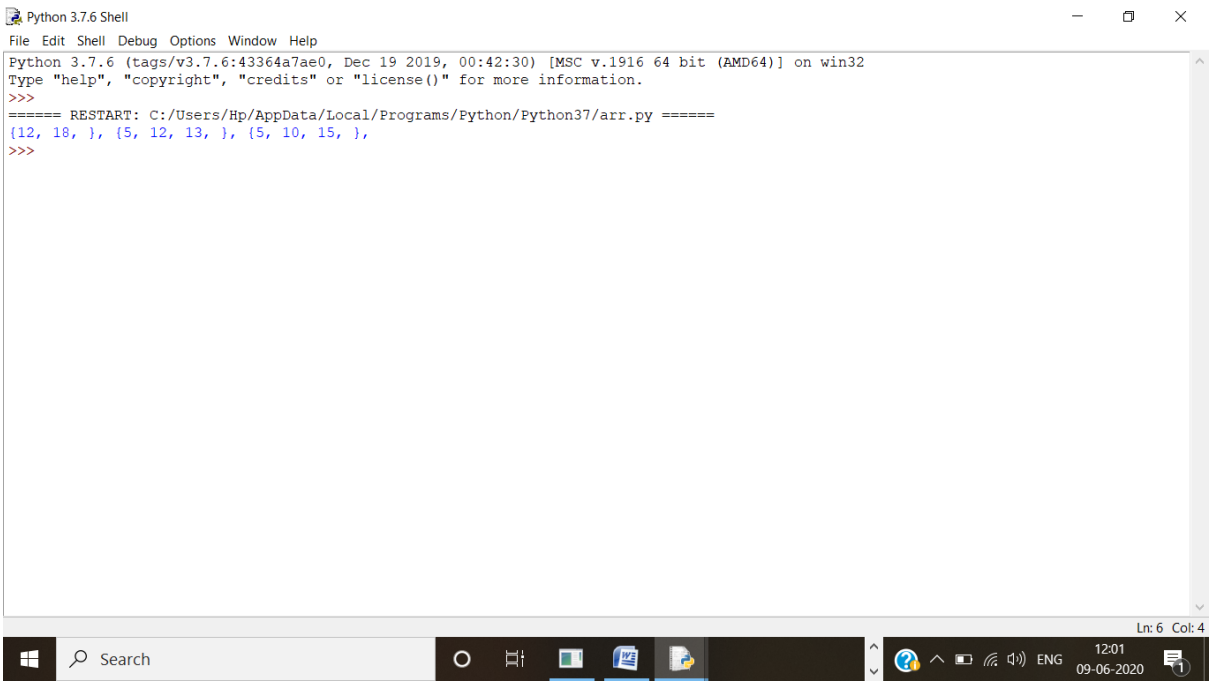
Output: {12, 18}, {5, 12, 13}, {5, 10, 15}

Explanation:
Subsets with sum 30 are:
12 + 18 = 30
5 + 12 + 13 = 30
5 + 10 + 15 = 30

```
def sumSubsets(sets, n, target) :


    x = [0]*len(sets);

    j = len(sets) - 1;


    while (n > 0) :


        x[j] = n % 2;

        n = n // 2;

        j -= 1;


    sum = 0;


    for i in range(len(sets)) :

        if (x[i] == 1) :

            sum += sets[i];
```

```
        if (sum == target) :

                print("{",end="");
                for i in range(len(sets)) :
                        if (x[i] == 1) :
                                print(sets[i],end= ", ");
                print("}, ",end="");

def findSubsets(arr, K) :
        x = pow(2, len(arr));

        for i in range(1, x) :
                sumSubsets(arr, i, K);

if __name__ == "__main__" :

        arr = [ 5, 10, 12, 13, 15, 18 ];
        K = 30;
        findSubsets(arr, K);
```

output:


Python 3.7.6 Shell
File Edit Shell Debug Options Window Help
Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 00:42:30) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
====== RESTART: C:/Users/Hp/AppData/Local/Programs/Python/Python37/arr.py ======
{12, 18, }, {5, 12, 13, }, {5, 10, 15, },
>>>
Ln: 6 Col: 4
Search
ENG
12:01
09-06-2020