DAILY ONLINE ACTIVITIES SUMMARY

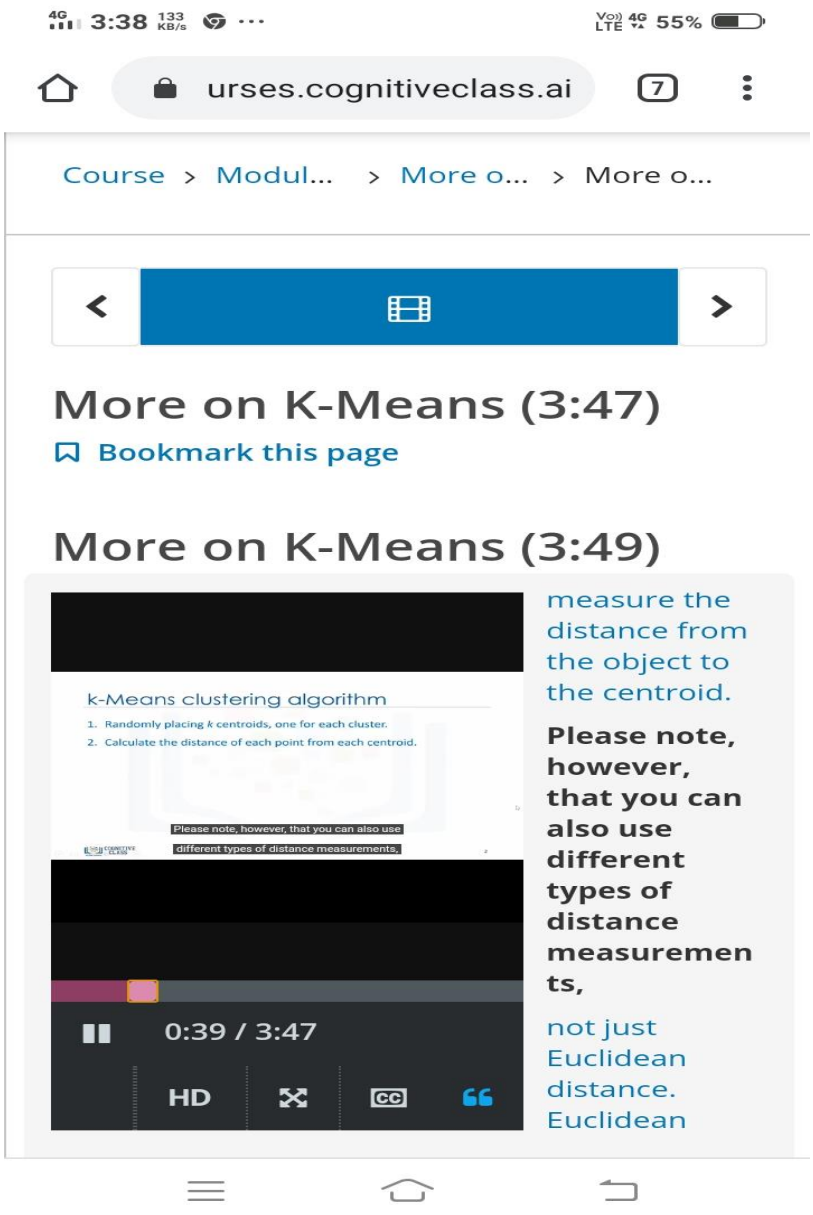
Date:	**02/06/2020**	**Name:**	**Prajwal**
Sem & Sec	**IV sem & B sec**	**USN:**	**4AL18CS057**
Online Test Summary			
Subject	**Design And Analysis Of Algorithm**		
Max. Marks	**----**	**Score**	**-----**
Certification Course Summary			
Course	**Machine Learning With Python**		
Certificate Provider	**COGNITIVE CLASS**	**Duration**	**12 hours**
Coding Challenges			
Problem Statement:1. Write a java program to find perfect sum problem.			
Status: Done			
Uploaded the report in Github		**YES**	
If yes Repository name		https://github.com/PRAJWALKOTIAN/lockdown-coding	
Uploaded the report in slack		**YES**	

Online test details

The test was not conducted dated on 02 june 2020.

Certification Course Details

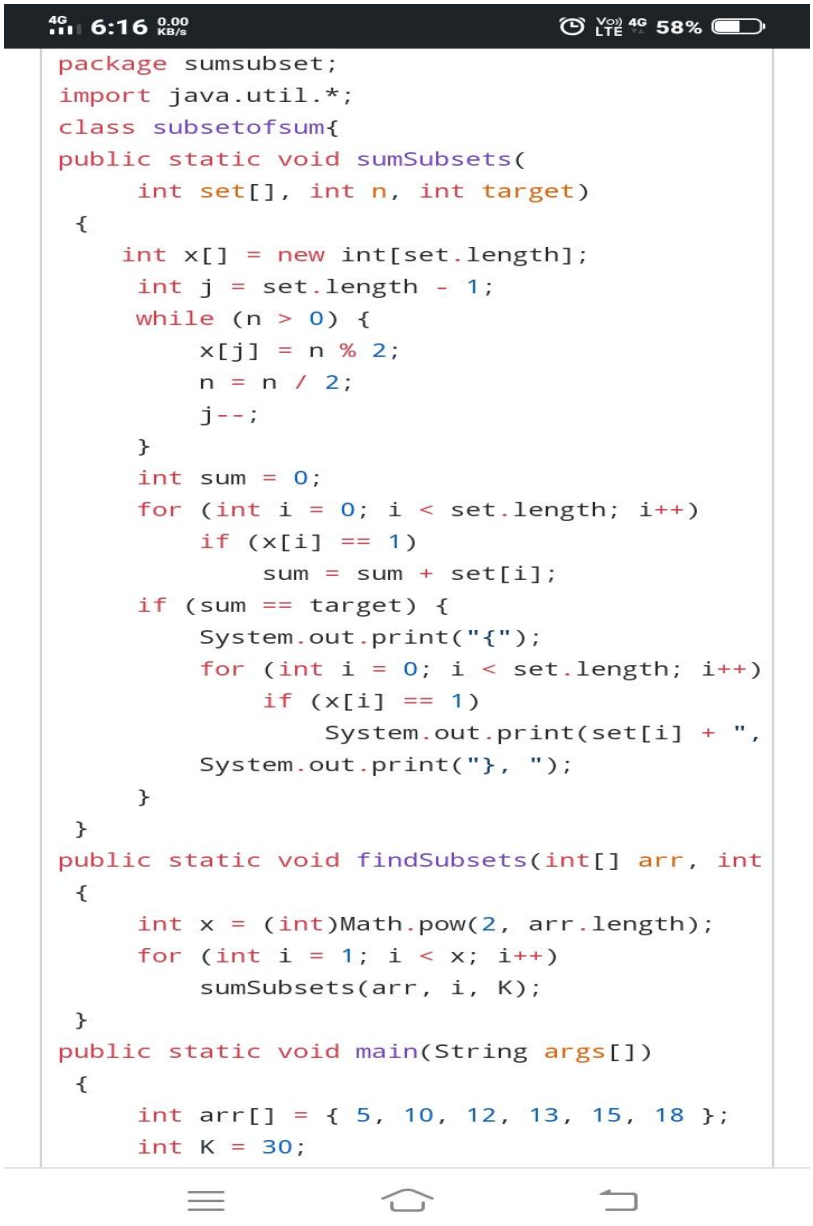
The cource I have choosen is MACHINE LEARNING WITH PYTHON in this at first I studied more imformation on K-Means Clustering is covered in this cource.



Coding Challenges Details

The bellow given codes are there on my github repository
https://github.com/PRAJWALKOTIAN/lockdown-coding

1. Write a java program to find perfect sum problem.




```
package sumsubset;
import java.util.*;
class subsetofsum{
public static void sumSubsets(
     int set[], int n, int target)
 {
    int x[] = new int[set.length];
     int j = set.length - 1;
     while (n > 0) {
         x[j] = n % 2;
         n = n / 2;
         j--;
     }
     int sum = 0;
     for (int i = 0; i < set.length; i++)
         if (x[i] == 1)
             sum = sum + set[i];
     if (sum == target) {
         System.out.print("{");
         for (int i = 0; i < set.length; i++)
             if (x[i] == 1)
                 System.out.print(set[i] + ",
         System.out.print("}, ");
     }
 }
public static void findSubsets(int[] arr, int
 {
     int x = (int)Math.pow(2, arr.length);
     for (int i = 1; i < x; i++)
         sumSubsets(arr, i, K);
 }
public static void main(String args[])
 {
     int arr[] = { 5, 10, 12, 13, 15, 18 };
     int K = 30;
```