DAILY ONLINE ACTIVITIES SUMMARY

Date:	**17/07/2020**	**Name:**	**Prathiksha**
Sem & Sec	**8th sem & B sec**	**USN:**	**4AL16CS070**

Online Test Summary

Subject	**-**		
Max. Marks	**-**	**Score**	**-**

Certification Course Summary

Course	**Introduction to Data Science in Python.**		
Certificate Provider	**Coursera**	**Duration**	**4 weeks**

Coding Challenges

Problem Statement:

1. Java Code to Calculate Years Between Two Dates

Status: **Solved**

Uploaded the report in Github	**Yes**
If yes Repository name	**Prathiksha**
Uploaded the report in slack	**Yes**

Online Test Details:

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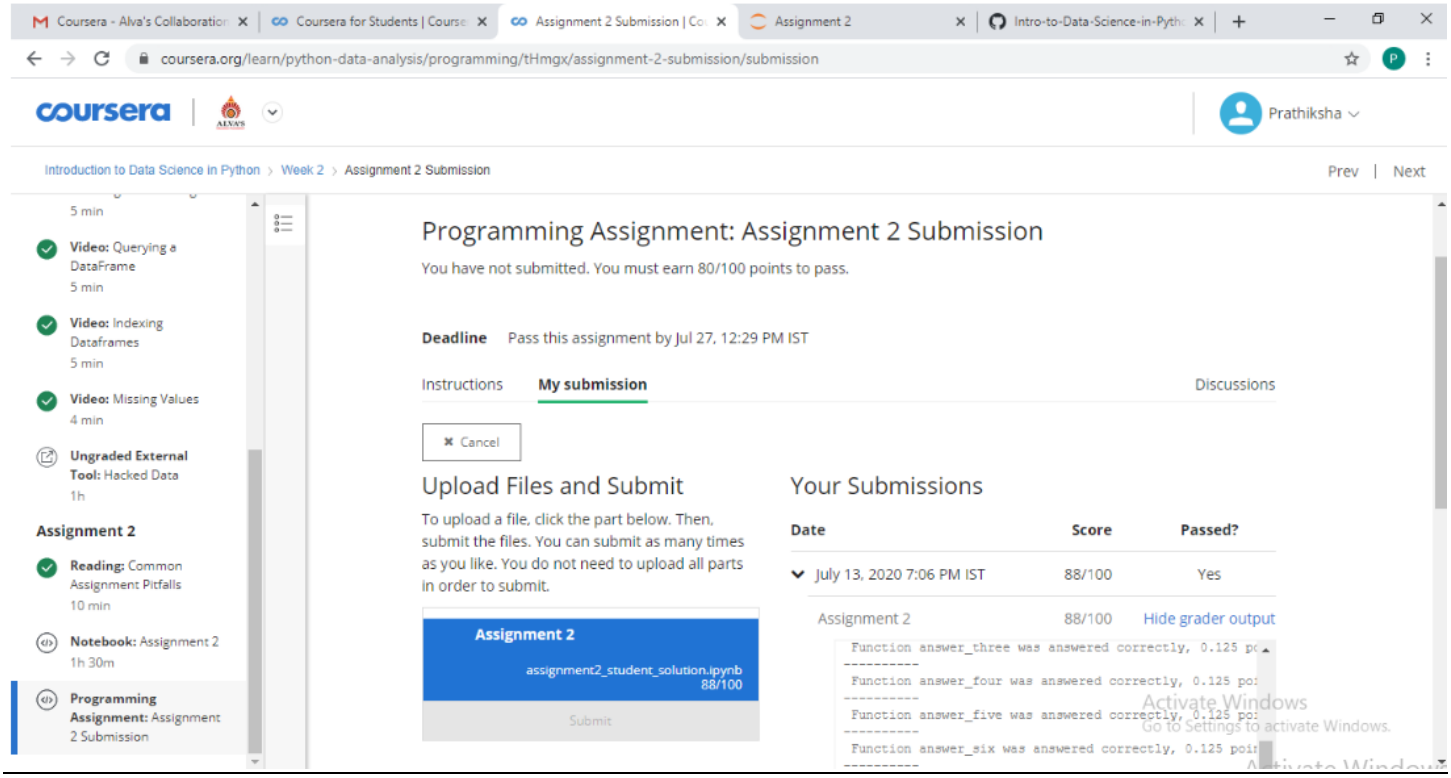
Certification Course Details:



Topic: **Understanding data science.**

Coding Challenges Details:

Program 1:

```
class checkValidDate
{
        public static void main(String args[])
        {
        Scanner input = new Scanner (System.in);
        int t1=0,t2=0,y=0,m1=0,d=0;
        int[] m = new int[]{ 31,28,31,30,31,30,31,31,30,31,30,31};
      int[][] date= new int[2][3];
      String[] s = new String[] {"year","month","day"};

      for(int i=0;i<2;)
        {

         System.out.println("enter date"+(i+1));
          for(int j=0;j<3;j++)
```

```
   {

          System.out.println("enter "+s[j]);

          date[i][j]= input.nextInt();
 }
int valid=check_valid_date(date[i],m);
  if(valid==1)
  {
   i++;
  }
 else
 {
 System.out.println("error:enter valid date");

 }

 }

 if(date[0][0]>date[1][0])
{
 System.out.println("error: invalid data");
          return;
 }
 else
 {
 t1=leapyear(date[0][0]);
   t2=leapyear(date[1][0]);
 y=date[1][0]-date[0][0];
    if(date[1][1]<date[0][1])
     {
          y--;
          m1=12-date[0][1]+date[1][1];

          if(date[1][2]<date[0][2])
          {
            m1--;
            d=m[date[0][1]]-date[0][2]+date[1][2];
          }
          else

          {
            d=date[1][2]-date[0][2];
          }
```

```
            }
            else
             {
                 m1=date[1][1]-date[0][1];

             }
         }

          System.out.println(date[0][2]+"-"+date[0][1]+"-
"+date[0][0]+"   to  "+date[1][2]+"-"+date[1][1]+"-"+date[1][0]);

          System.out.println(y+"years "+m1+"months "+d+"days");

   }

static int leapyear(int year)
{
int leap=0;
   if ((year % 400 == 0)||(year % 4 == 0 && year % 100 != 0)) //  check
whether year is a leap year
       {
          leap = 1;
       }
   return leap;
}

static int monthvalidation(int month,int days,int m)
{
   int i=0,j=0;
      if(month>=1 && month<=12)
       {
          i=1;
       }

        if(days>=1 && days<=m)
       {
         j=1;
        }
        if(i+j==2)
        {
        return 1;
        }
        else
        {
```

```
        return 0;
        }
}


static int check_valid_date(int a[],int t[])
{
  int leap,month,temp=0;

  if(a[0]>0)
  {
   leap=leapyear(a[0]);
   if(leap==1 && a[1]==2)
    temp=1;
    month=monthvalidation(a[1],a[2],t[a[1]]+temp);
    if(month==1)
     return 1;
        else
     return 0;
   }
   else
   {
        return 0;
   }
 }
}
```

Output:

```
enter date1
enter year
1993
enter month
7
enter day
7
enter date2
enter year
2020
enter month
5
enter day
12
```