

DAILY ONLINE ACTIVITIES SUMMARY

Date:	17/07/2020	Name:	Prathiksha
Sem & Sec	8 th 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:

--

Certification Course Details:

The screenshot shows the Coursera interface for 'Introduction to Data Science in Python' Week 2 Assignment 2 Submission. The user is Prathiksha. The page indicates that the assignment has not been submitted yet, and the user must earn 80/100 points to pass. The deadline is July 27, 12:29 PM IST. The 'My submission' tab is active, showing an 'Upload Files and Submit' section with a 'Cancel' button and a 'Submit' button. A file named 'assignment2_student_solution.ipynb' is shown with a score of 88/100. The 'Your Submissions' table shows a submission on July 13, 2020, at 7:06 PM IST, with a score of 88/100 and a 'Passed?' status of 'Yes'. The table also includes a 'Hide grader output' link. The left sidebar shows the course progress, including videos, readings, and notebooks.

Programming Assignment: Assignment 2 Submission

You have not submitted. You must earn 80/100 points to pass.

Deadline Pass this assignment by Jul 27, 12:29 PM IST

Instructions **My submission** Discussions

Upload Files and Submit

To upload a file, click the part below. Then, submit the files. You can submit as many times as you like. You do not need to upload all parts in order to submit.

Assignment 2

assignment2_student_solution.ipynb 88/100

Your Submissions

Date	Score	Passed?
July 13, 2020 7:06 PM IST	88/100	Yes

Assignment 2 88/100 [Hide grader output](#)

Function answer_three was answered correctly, 0.125 po
Function answer_four was answered correctly, 0.125 po
Function answer_five was answered correctly, 0.125 po
Function answer_six was answered correctly, 0.125 po

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

```