

DAILY ONLINE ACTIVITIES SUMMARY

Date:	20/07/2020	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 program to calculate Discount .			
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:

The screenshot shows a web browser window displaying a Coursera course page. The browser's address bar shows the URL: coursera.org/learn/python-data-analysis/lecture/Ln156/pandas-idioms. The Coursera logo is visible in the top left, and the user's name 'Prathiksha' is in the top right. The course title 'Introduction to Data Science in Python' and 'Week 3' are displayed. The main content area is titled 'Pandas Idioms' and features a Jupyter Notebook interface. The notebook shows a data frame with columns: County, SUMLEV, REGION, DIVISION, STATE, COUNTY, CENSUS2010POP, Estimates Base 2010, POPESTIMATE2010, POPESTIMATE2011, and POPESTIMATE2012. The data is filtered for counties where SUMLEV is 50. The notebook also shows a code cell with the following Python code:

```
In [17]: df = df[df['SUMLEV'] == 50]
df.set_index(['STNAME', 'CTYNAME'], inplace=True)
df.rename(columns={'POPESTIMATE2010': 'Estimates Base 2010'})
```

 The output of the code is a data frame with columns: STNAME, CTYNAME, SUMLEV, REGION, DIVISION, STATE, COUNTY, CENSUS2010POP, Estimates Base 2010, POPESTIMATE2010, POPESTIMATE2011, and POPESTIMATE2012. The data is filtered for counties where SUMLEV is 50. The notebook also shows a code cell with the following Python code:

```
In [ ]: import numpy as np
```

Topic: Understanding data science week 3.

Coding Challenges Details:

Program 1:

```
class Discount
{
    public static void main(String args[])
    {
        double dis,amount,markedprice,s;

        Scanner sc=new Scanner(System.in);

        System.out.println("enter markedprice ");

        markedprice=sc.nextDouble();

        System.out.println("enter discount percentage ");
```

```
        dis=sc.nextDouble();
        s=100-dis;
        amount= (s*markedprice)/100;

        System.out.println("amount after discount="+amount);

    }
}
```

Output:

enter marked price

2000

enter discount percentage

30

amount after discount=1400.0