DAILY ONLINE ACTIVITIES SUMMARY

Date:	**12/07/2020**	**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 Program To Calculate Future Investment Value**

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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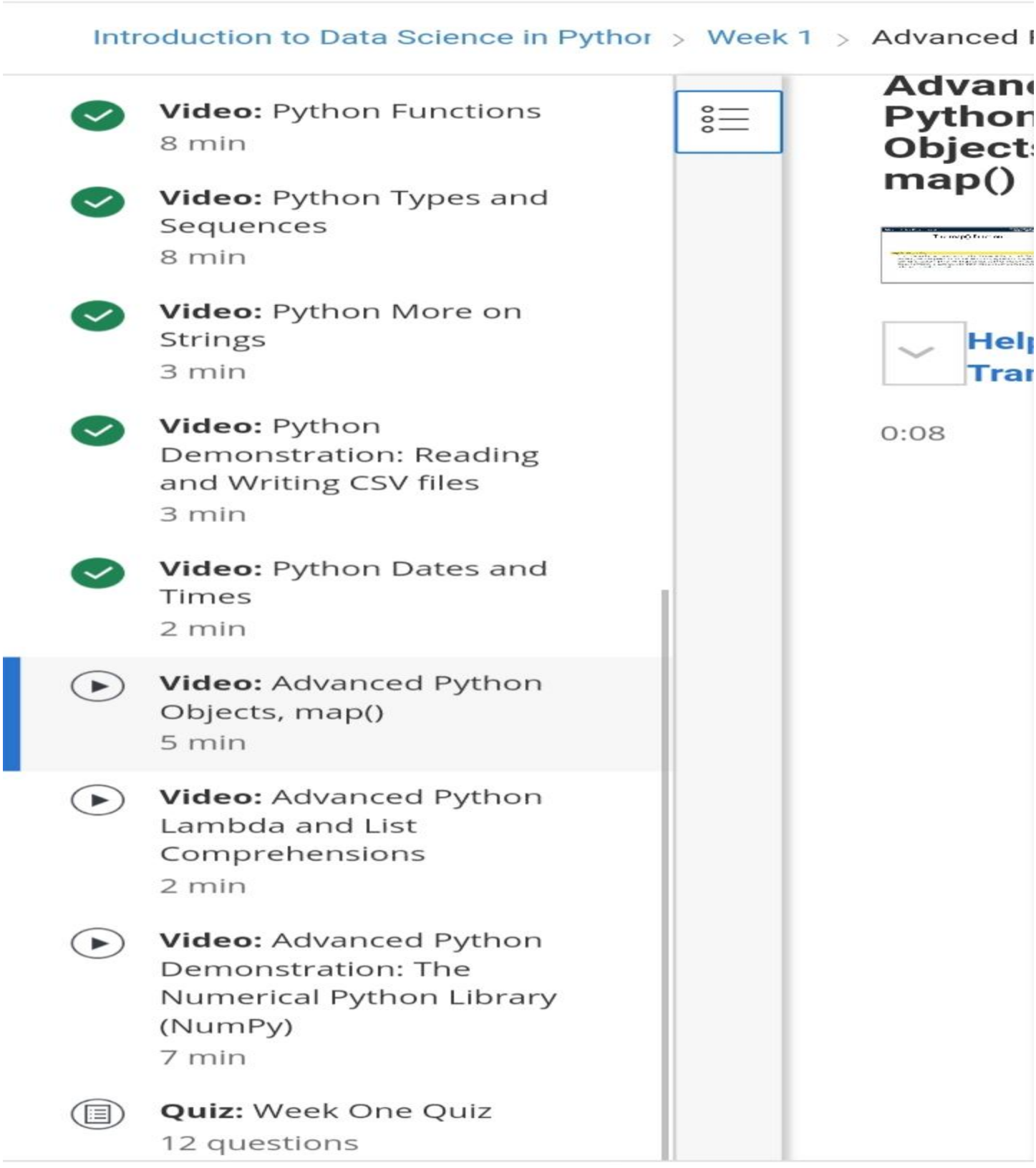
Certification Course Details:

Python

- Why Python?
  1. *It's easy to learn*
     - *Now the language of choice for 8 of 10 top US computer science programs (Philip Guo, CACM)*
  2. *Full featured*
     - *Not just a statistics language, but has full capabilities for data acquisition, cleaning, databases, high performance computing, and more*
  3. *Strong Data Science Libraries*
     - *The SciPy Ecosystem*

Data Science

- David Donoho, "50 Years of Data Science"
  1. *Data Exploration and Preparation*
  2. *Data Representation and Transformation*
  3. *Computing with Data*
  4. *Data Modeling*
  5. *Data Visualization and Presentation*
  6. *Science about Data Science*



Topic: **Understanding data science**.

Coding Challenges Details:

Program 1:

```
import java.util.Scanner;
class FIV
{
   public static void main(String args[])
   {
      Scanner sc = new Scanner(System.in);

       System.out.print("Enter present value: ");
     double p=sc.nextInt();
      System.out.print("Enter the interest rate: ");
      double r=sc.nextInt();
     System.out.print("Enter the time period in years: ");
      double y=sc.nextInt();
     double f=p*Math.pow((1+r/100),y);
     System.out.print("value is: "+f);
  }
}
```

Output:

```
Enter present value: 1000
Enter the interest rate: 10
Enter the time period in years: 2
value is: 1210.0000000000002

Enter present value:
10000
Enter the interest rate: 1
Enter the time period in years:
10
value is: 11046.221254112046
```