Programming Assignment: Week 1 Programming Assignment 2

You have not submitted. You must earn 1/1 points to pass.

Deadline Pass this assignment by September 23, 11:59 PM PDT

Instructions

My submission

Discussions

Setup the ApacheSpark and Jupyter based Data Science Experience Workbench

Please follow the steps on the following Video in order to create and setup an Watson Studio account

Setup Watson Studio with Spark 2.1 (not 2.3!)

https://www.youtube.com/watch?v=zlUr0fDjVrw

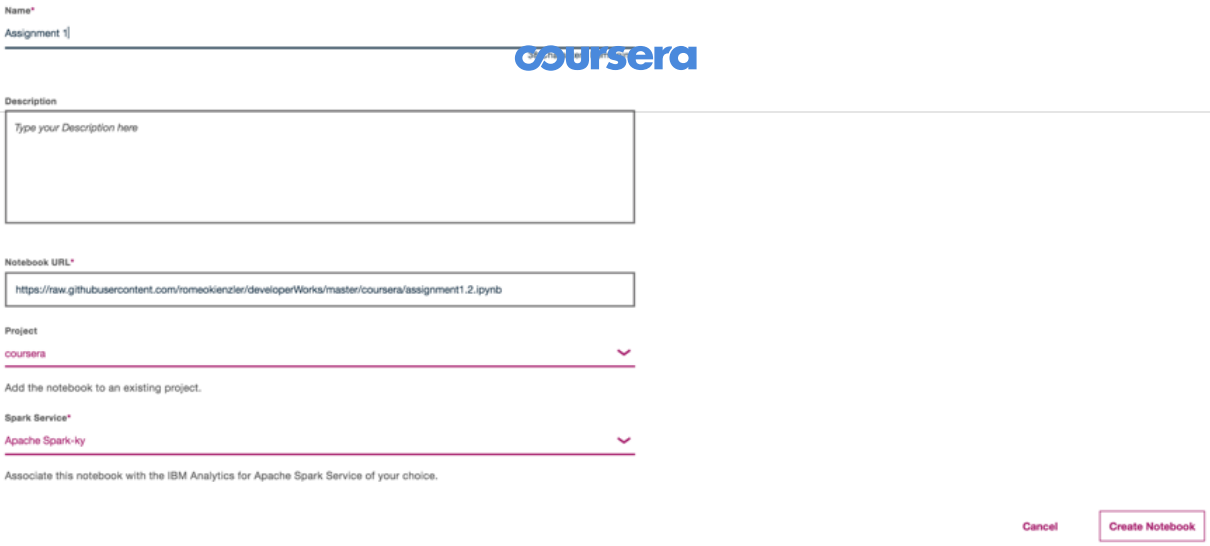
Run a sample notebook

Please follow the steps in the following PDF in order to learn how to import a notebook froma URL:

https://github.com/romeokienzler/developerWorks/blob/master/coursera/createNotebook.pdf

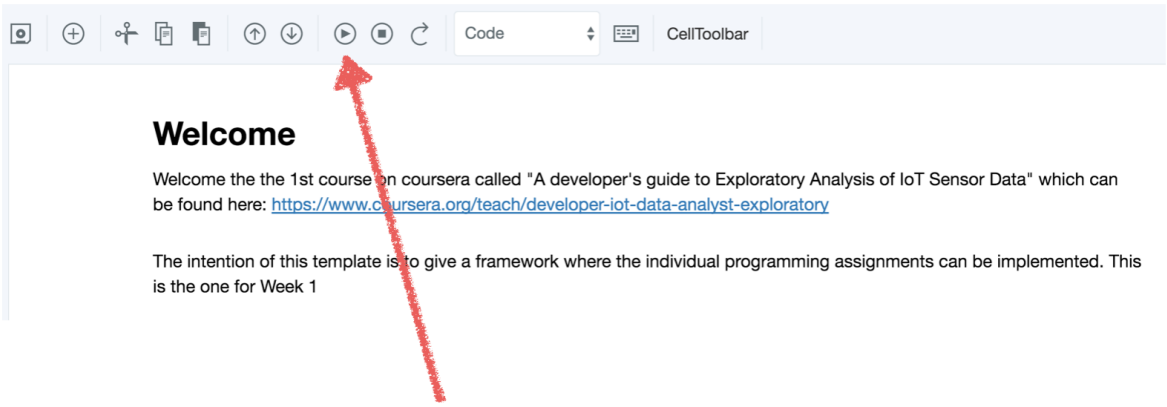
Enter the necessary information

- Type “Assignment 1” as name
- Paste the following URL as “Notebook URL”: https://raw.githubusercontent.com/romeokienzler/developerWorks/master/coursera/assignment1.2.ipynb
- Now click on “Create Notebook”

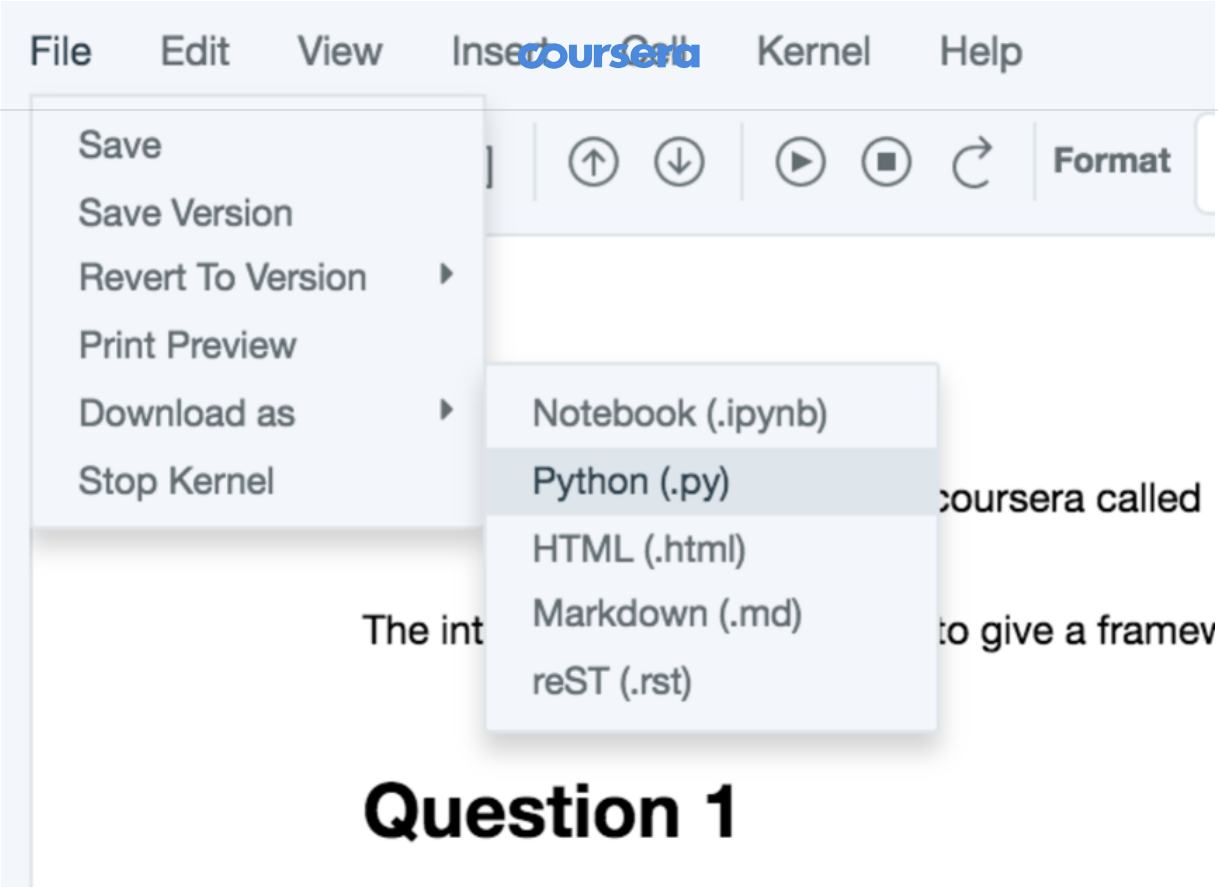


- Click on the run button several times. On each click a cell will execute. When the 'print assigmnent1(sc)' executes you should see a result of 100.

Hint: Shift-Enter is your friend



- Click on “File->Download as->Python”



- Save the file as “assignment1.2.py”

```
1
2  # coding: utf-8
3
4  # # Welcome
5  # Welcome the the 1st course on coursera called "A developer's
   Analysis of IoT Sensor Data" which can be found here:
   https://www.coursera.org/teach/developer-iot-data-analyst-expl
6  #
7
8  # The intention of this template is to give a framework where
   programming assignments can be implemented. This is the one fo
9
10 # # Question 1
11 # Below you see some ApacheSpark code written in Python which
   the auto grader of coursera.org. You don't have to change code
   we want you to do is export this notebook as python code so th
   assess it. This is an exercice ment to make sure the submissio
   your side.
12 #
13 # PLEASE DON'T ADD ANY CODE OUTSIDE THE assignment1 FUNCTION
14
15 # In[1]:
16
17 def assignment1(sc):
18     rdd = sc.parallelize(range(100))
19     return rdd.count()
20
21
```

Submit assignment1.2.py to the grader

- Open the Grader Tab as in the previous example
- Submit assignment1.2.py to the grader

How to submit

When you're ready to submit, you can upload files for each part of the assignment on the "My submission" tab.