Assisted Practice 12.2: Classes and Objects

Problem Scenario: Write a program to demonstrate objects and classes using methods and attributes.

Objective: In this demonstration, we will learn how to work with classes that contain attributes and methods.
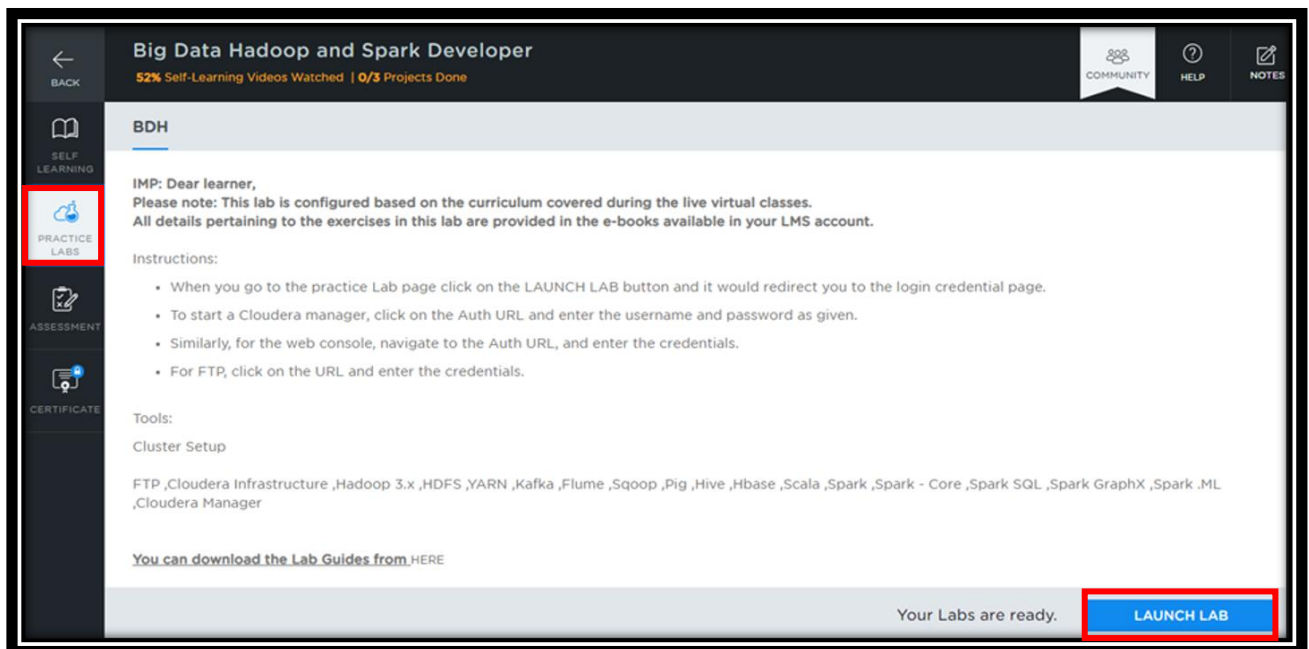
Expected Output:

Age of the person: 10

Steps to Perform:
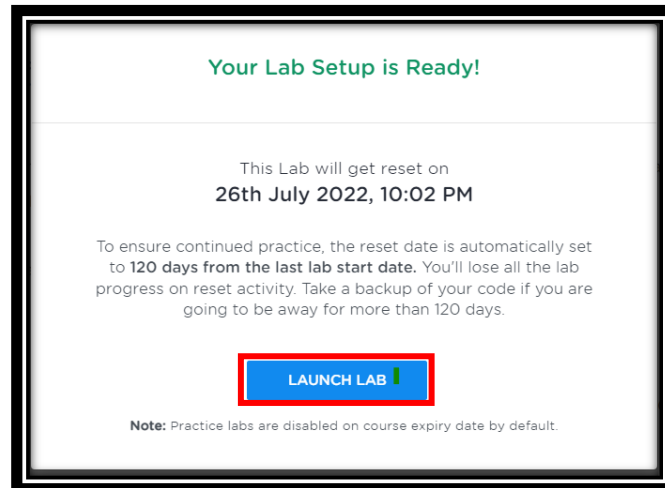
Step 1: Log in to your LMS account

Step 2: Open the course "**Big data Hadoop and Spark developer**"

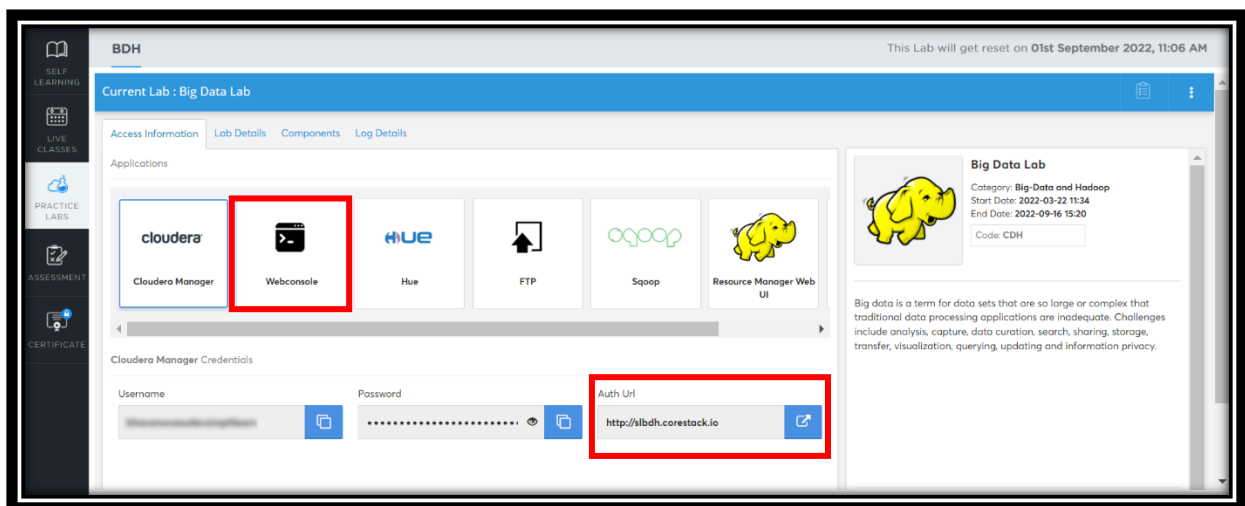(Note: The course name reflects depending on the program purchased.)

Step 3: On the left side, click on the "**PRACTICE LABS**" tab and click on the "**LAUNCH LAB**" button

Step 4: Again, click on the "**LAUNCH LAB**" button

STEP 5: Click on "**Webconsole**" and click on the "**Auth Url**"

Step 6: Copy the "**Username**" and the "**Password**" provided to log in to the Web console

Step 7: Paste the "**Username**" and the "**Password**" on the console and click on Enter

Note: The password will not be visible when pasted on the console.

Step 8: Create a python file

Command:

vi classDemo.py

The below screen appears:

Step 9: Perform the tasks

9.1   Create a class with the named person and provide their respective attributes

9.2   Create a function that displays the age of the person

Command:

```
class Person:

        PersonName = None

        PersonAge = None

        def __init__(self, name, age):

                self.PersonName = name

                self.PersonAge = age

        def displayPersonAge(self):
```

print("Age: ", self.PersonAge)

```
class Person:

        PersonName = None
        PersonAge = None
        def __init__(self, name, age):
                self.PersonName = name
                self.PersonAge = age

        def displayPersonAge(self):
                print("Age: ", self.PersonAge)
```

9.3   Create the objects of the class and use the object to call the result

Command:

obj = Person("Rio",10)

obj. displayPersonAge()

```
obj = Person("Rio",10)
obj. displayPersonAge()
~
~
```

Command:

python3 classDemo.py

```
[testdemomay1301mailinator@bdh-cluster2-edgenode10 ~]$ python3 classDemo.py
Age:   10
```