

Assisted Practice 11.3: Merge Two Dictionaries

Problem Statement: Write a Python program that takes two dictionaries as the input and merges both the inputs

Objective: In this demonstration, you will learn to work with dictionaries.

Sample input and expected output:

Enter the 1 item for the first dictionary:

Enter the key:

"Name"

Enter the value:

"Ted"

Enter 1 Item for Second Dictionary:

Enter the key:

"Occupation"

Enter the value:

"Architect"

The Two Dictionary Merged Successfully!

The New Dictionary is:

{'Name': 'Ted', 'Occupation': 'Architect'}

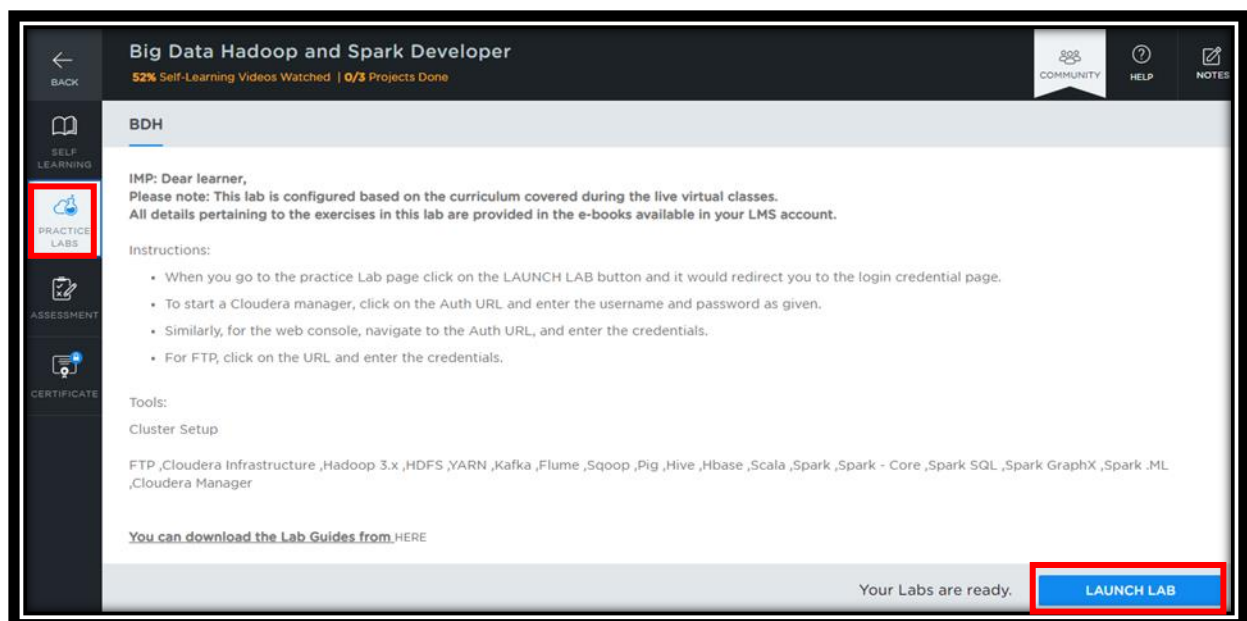
Steps to perform:

Step 1: Log in to your LMS account

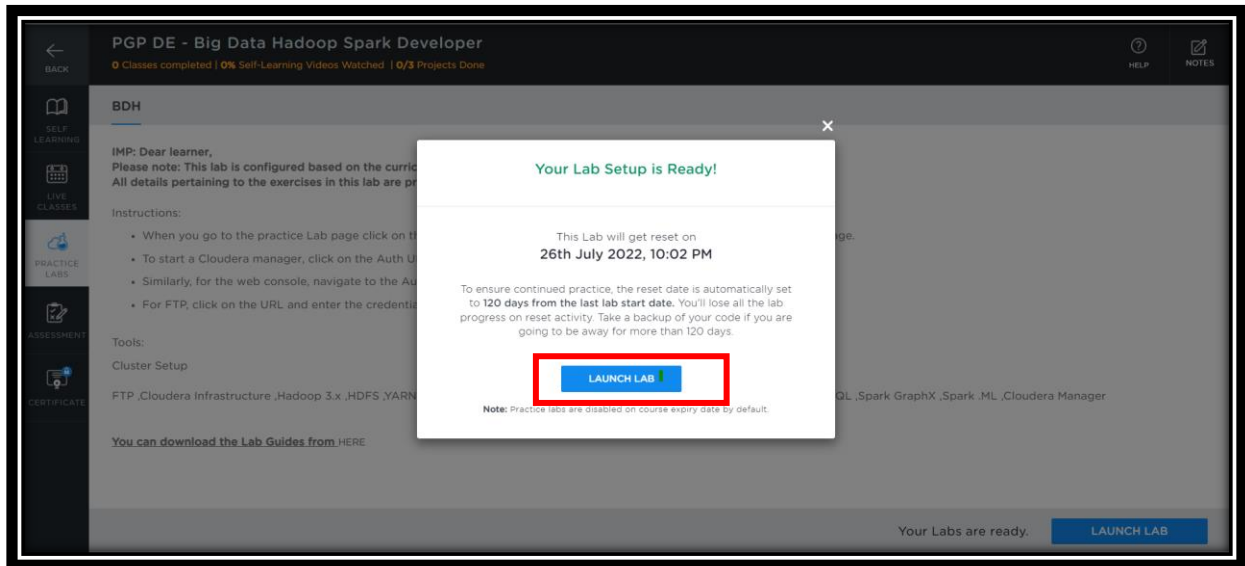
Step 2: Open the course “**Big data Hadoop and Spark developer**”

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

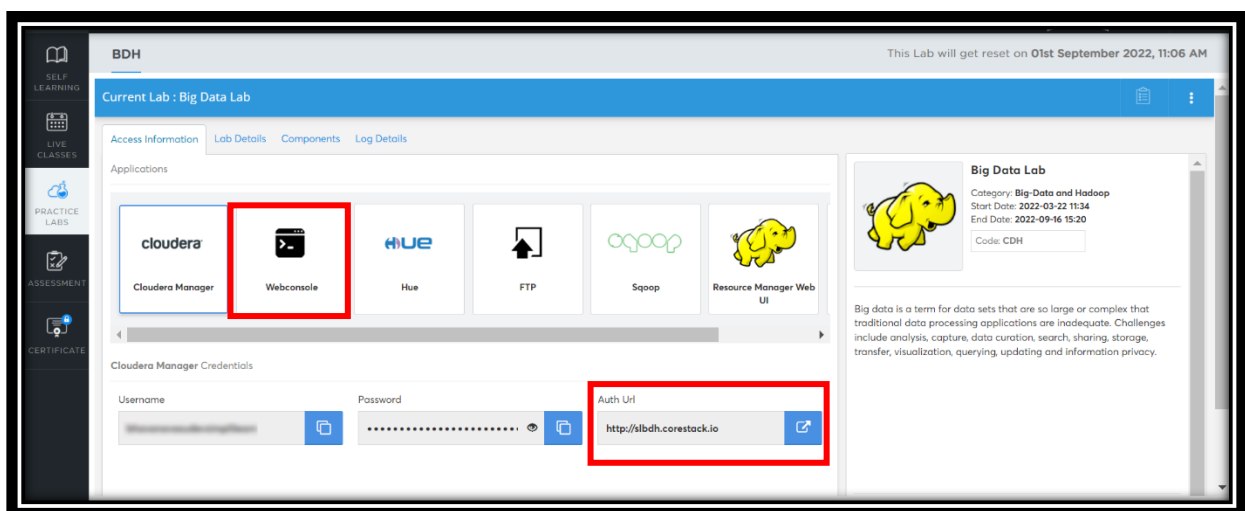
Step 3: On the left side, click on the “**PRACTICE LABS**” tab and click on the “**LAUNCH LAB**” button



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



Step 5: Click on **“Webconsole”** and then 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.

```
bdh-cluster2-edgenode10 login: testdemomay1301mailinator
Password:
Last login: Wed May 18 11:16:31 on pts/2

cloudera
=====
*                               :
Password for testdemomay1301mailinator@BDH-ENV.GNE4-RUTX.CLOUDERA.SITE:
```

Step 8: Create a file with the name dictionary.py

Command: vi dictionary.py

```
bdh-cluster2-edgenode10 login: testdemomay1301mailinator
Password:
Last login: Wed May 18 11:26:08 on pts/3

cloudera
=====
*                               :
Password for testdemomay1301mailinator@BDH-ENV.GNE4-RUTX.CLOUDERA.SITE:
[testdemomay1301mailinator@bdh-cluster2-edgenode10 ~]$ vi dictionary.py
```

Step 9: Perform the stated tasks

9.1 Create two empty dictionaries

```
DictionaryOne = {}
```

```
DictionaryTwo = {}
```

9.2 Take input for the first and second dictionary

```
print("Enter the 1 item for the first dictionary:")
for i in range(1):
    print("Enter the key:")
    dictKey = input()
    print("Enter the value:")
    dictVal = input()
    DictionaryOne.update({dictKey: dictVal})
print("Enter 1 Item for Second Dictionary: ")
```

```

for i in range(1):
    print("Enter the key:")
    dictKey = input()
    print("Enter the value:")
    dictVal = input()
    DictionaryTwo.update({dictKey: dictVal})

```

9.3 Perform the merging operation using the update function

```

DictionaryTwo.update(DictionaryOne)
print("\nThe Two Dictionary Merged Successfully!")
print("\nThe New Dictionary is:")
print(DictionaryTwo)

```

```

DictionaryOne = {}
DictionaryTwo = {}

print("Enter the 1 item for the first dictionary:")
for i in range(1):
    print("Enter the key:")
    dictKey = input()
    print("Enter the value:")
    dictVal = input()
    DictionaryOne.update({dictKey: dictVal})

print("Enter 1 Item for Second Dictionary: ")
for i in range(1):
    print("Enter the key:")
    dictKey = input()
    print("Enter the value:")
    dictVal = input()

DictionaryTwo.update({dictKey: dictVal})
DictionaryTwo.update(DictionaryOne)
print("\nThe Two Dictionary Merged Successfully!")
print("\nThe New Dictionary is:")
print(DictionaryTwo)

```

9.4 The above python script is executed using the following command:

Command:

```
python3 dictionary.py
```

Sample input and expected output:

Enter the 1 item for the first dictionary:

Enter the key:

"Name"

Enter the value:

"Ted"

Enter 1 Item for Second Dictionary:

Enter the key:

"Occupation"

Enter the value:

"Architect"

The Two Dictionary Merged Successfully!

The New Dictionary is:

{'Name': 'Ted', 'Occupation': 'Architect'}

```
[testdemomay1301mailinator@bdh-cluster2-edgenode10 ~]$ python3 dictionary.py
Enter the 1 item for the first dictionary:
Enter the key:
"name"
Enter the value:
"Ted"
Enter 1 Item for Second Dictionary:
Enter the key:
"occupation"
Enter the value:
"architect"

The Two Dictionary Merged Successfully!

The New Dictionary is:
{'"occupation"': '"architect"', '"name"': '"Ted"'}
```

