Assisted Practice 11.2: Swap Two Strings

Problem Scenario: Write a Python program that takes two string inputs from the user and performs the swapping operation on the strings

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

Sample string input:

String_1 = "Hello"

String_2 = "Simplilearn"

Expected Swapped output:

String_1 = "Simplilearn"

String_2 = "Hello"

Steps to perform:

Step 1: Log in to the 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

Big Data Hadoop and Spark Developer
52% Self-Learning Videos Watched | **0/3** Projects Done

BDH

IMP: Dear learner,
Please note: This lab is configured based on the curriculum covered during the live virtual classes.
All details pertaining to the exercises in this lab are provided in the e-books available in your LMS account.

Instructions:

- When you go to the practice Lab page click on the LAUNCH LAB button and it would redirect you to the login credential page.
- To start a Cloudera manager, click on the Auth URL and enter the username and password as given.
- Similarly, for the web console, navigate to the Auth URL, and enter the credentials.
- For FTP, click on the URL and enter the credentials.

Tools:

Cluster Setup

FTP ,Cloudera Infrastructure ,Hadoop 3.x ,HDFS ,YARN ,Kafka ,Flume ,Sqoop ,Pig ,Hive ,Hbase ,Scala ,Spark ,Spark - Core ,Spark SQL ,Spark GraphX ,Spark .ML ,Cloudera Manager

You can download the Lab Guides from HERE

Your Labs are ready.   **LAUNCH LAB**

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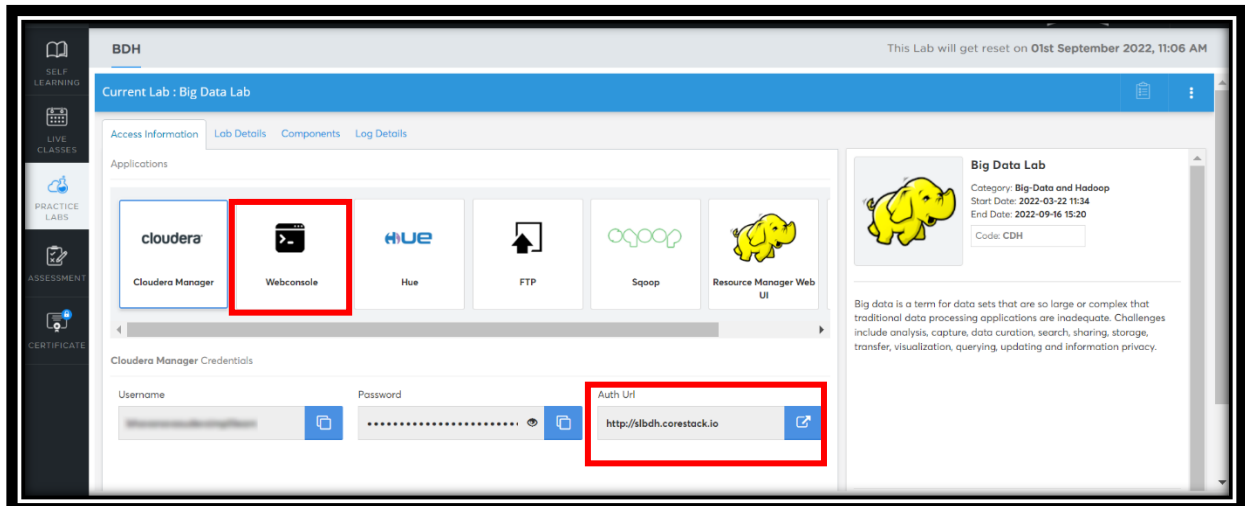

Your Lab Setup is Ready!

This Lab will get reset on
26th July 2022, 10:02 PM

To ensure continued practice, the reset date is automatically set to **120 days from the last lab start date.** You'll lose all the lab progress on reset activity. Take a backup of your code if you are going to be away for more than 120 days.

LAUNCH LAB

Note: Practice labs are disabled on course expiry date by default.

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.

Step 8: Create a new Python file with the name swap.py

Command: vi swap.py

Step 9: Perform the stated tasks

9.1   Take the string inputs from the user and display the input strings before performing the swapping operation

Command:

```
print("Enter the First String: ", end="")

string1 = input()

print("Enter the Second String: ", end="")

string2 = input()


print("\nString before swap:")

print("string1 =", string1)

print("string2 =", string2)
```

9.2   Perform the swapping operation

Command:

```
temp = string1

string1 = string2

string2 = temp
```

9.3 Display the strings after the swapping operation
Command:

```
print("\nString after swap:")

print("string1 =", string1)

print("string2 =", string2)
```

9.4 Click on the **"escape"** key and **":wq"** to save and exit

```
print("Enter the First String: ", end="")
string1 = input()
print("Enter the Second String: ", end="")
string2 = input()

print("\nString before swap:")
print("string1 =", string1)
print("string2 =", string2)

temp = string1
string1 = string2
string2 = temp

print("\nString after swap:")
print("string1 =", string1)
print("string2 =", string2)
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```

9.5 Display the final output
Command: python3 swap.py

```
[testdemomay1301mailinator@bdh-cluster2-edgenode10 ~]$ python3 swap.py
Enter the First String: "hello"
Enter the Second String: "Simplilearn"

String before swap:
string1 = "hello"
string2 = "Simplilearn"

String after swap:
string1 = "Simplilearn"
string2 = "hello"
```