Videos provided by ITVersity "Getting started with ITV Big Data Labs"

https://www.youtube.com/playlist?list=PLf0swTFhTI8o5Lb5yw1aDtvVJ8Wo4Lpm-

Putty and WinSCP video by ITVersity

06 Spark - Getting Started - Windows - Setup Putty and WinScp - YouTube

What is Putty?
It helps you to connect with remote machine (in our case ITVersity) with flexibility and user friendliness

What is WinSCP?
It helps you to transfer files between windows/mac and remote machine (in our case ITVersity).

Problem Statement
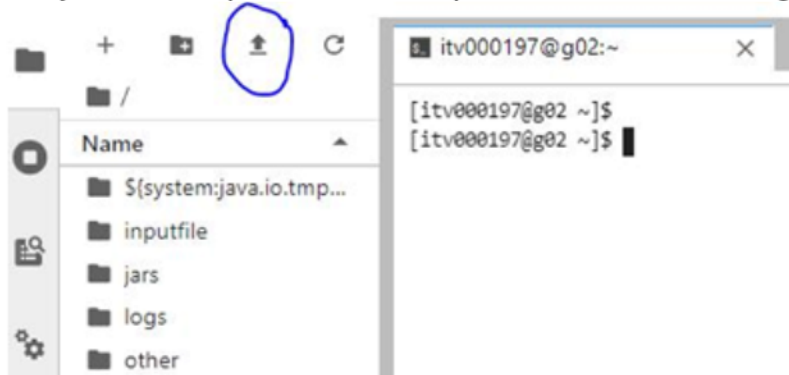ITVersity don't have any IDE to write MapReduce Program.
Solution
Follow below approach
1. Create jar file in windows/mac using eclipse or any IDE (Jar Creation and Execution - Practical Session2 Video)
2. Copy the jar to ITVersity (WinSCP) (This document with heading - How to move file from laptop to ITV Local)
3. Execute jar on Hadoop (refer same video in step 1)

```
[itv000197@g02 ~]$ hadoop jar /home/itv000197/test4.jar /user/itv000197/samplefolder/samplefile.txt /user/itv000197/samplefolder/out2/
2021-04-25 01:55:55,199 INFO client.DefaultNoHARMFailoverProxyProvider: Connecting to ResourceManager at m02.itversity.com/172.16.1.104:8032
2021-04-25 01:55:55,491 INFO client.AHSProxy: Connecting to Application History server at m01.itversity.com/172.16.1.103:10200
2021-04-25 01:55:55,836 INFO mapreduce.JobResourceUploader: Disabling Erasure Coding for path: /tmp/hadoop-yarn/staging/itv000197/.staging/jo
```

How to move file from laptop to ITV Local

Way 1: Use upload button, present in the "Lab gateway Node".
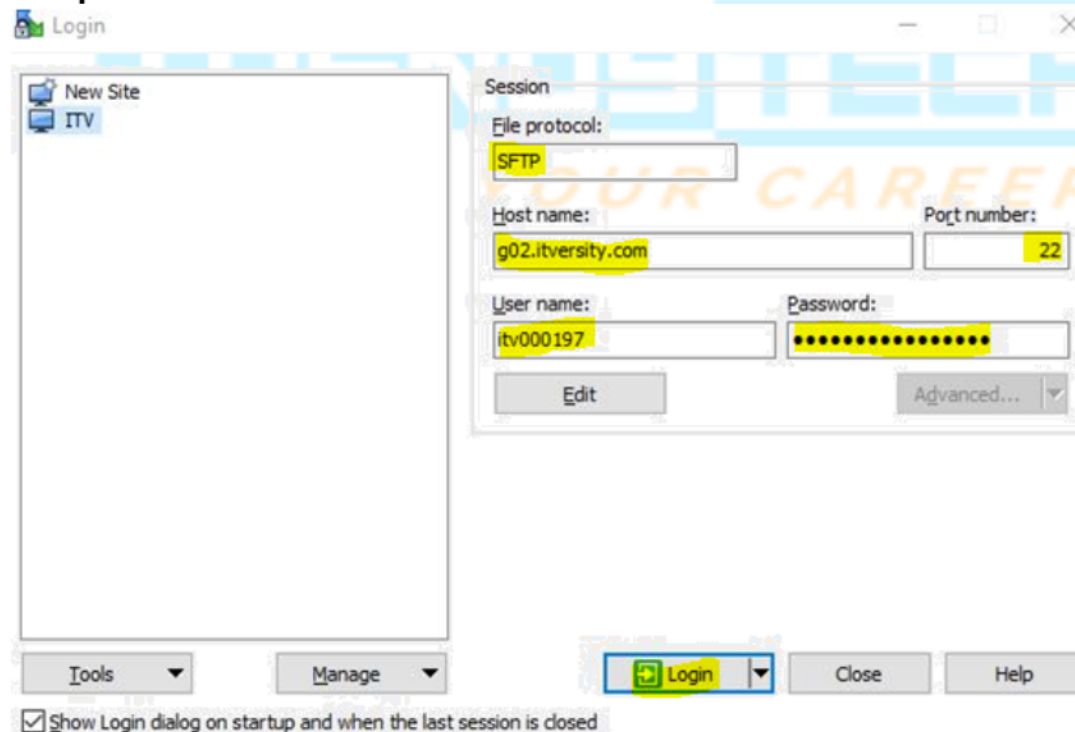

Way 2: WinSCP -
https://winscp.net/eng/download.php
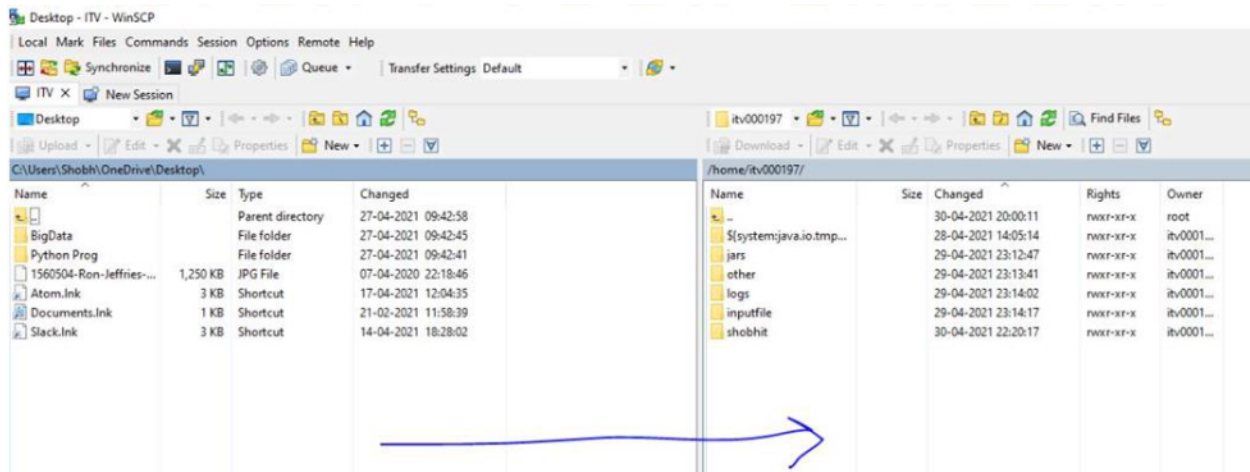
Provide these details:
Hostname: g02.itversity.com
Port: 22
File protocol: SFTP

Transfer file from laptop to ITV Lab Machine. Drag n Drop

Access ITV Lab Terminal using Putty
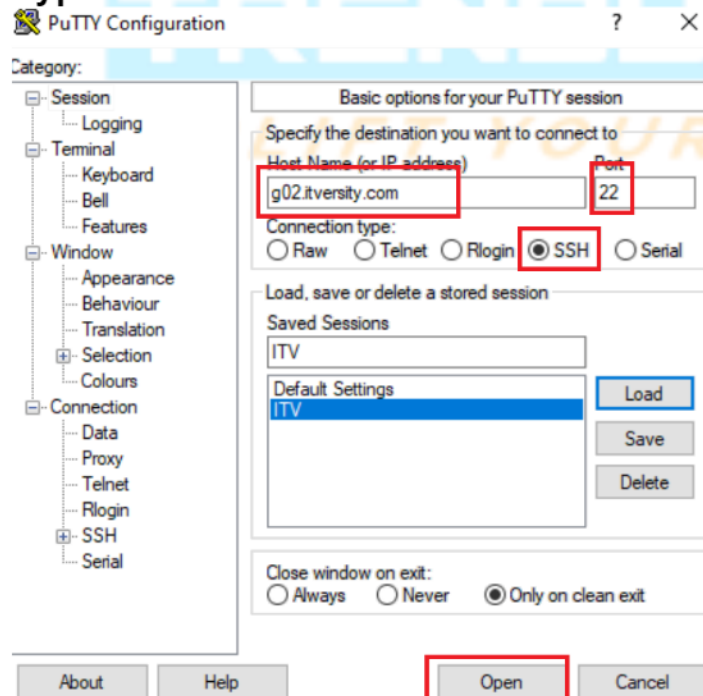
You can also access the lab terminal using the putty tool.
Download putty: https://www.putty.org/ . Provide below
details in putty: like host & port **Hostname**:
g02.itversity.com
Port: 22
Type: SSH

Once you click on open → provide your username and password.

Copy your password from the lab home page buttons:
https://labs.itversity.com/user/profile/lab_details

Access ITV Lab Terminal using SSH

You can also access the lab terminal using the ssh command.
ssh <your-username>@g02.itversity.com
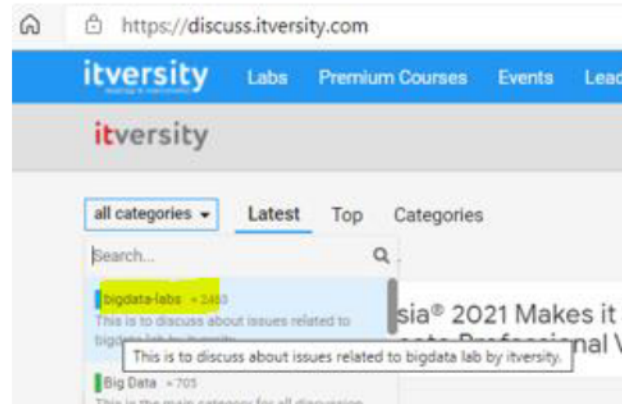*ssh itv000197@g02.itversity.com*

Other Information:

You can search as well as post your queries as mentioned below.

1. Web → discuss.ITVersity.com(ITVersity) → make sure to post your queries inside bigdata-labs.

2. ITV Slack - Join "labs-support channel".
   https://join.slack.com/t/itv-data-engineers/shared_invite/zt-cmyt24hd-oxY8_YfCtLew~~Q kg3U2~w

   You can also post a query in "labs-support channel" ITV Slack

   Note: In case if you can't see the labs-support channel then you can search for that channel and join.