Homework-1: System Setup and GitHub Skill Review

In this homework, you are expected to run and connect all the applications that are required for this class. In addition, you will get familiar with GitHub which will constitute the foundation for submitting future homework assignments.

Your homework submission should be a PDF file on Canvas. This PDF file should contain the screenshots that are requested below.

Please upload your PDF file on Canvas before September 7th, 11:59PM ET, 8:59PM PT

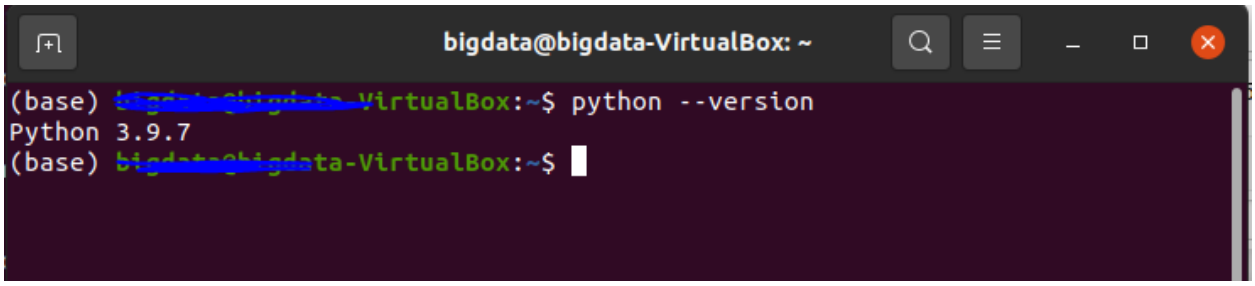
Part-I (70%): Complete Course System Setup

In this part, you are expected to run several applications and make sure they work correctly. You are asked to submit a screenshot for every application to show that it's working properly.

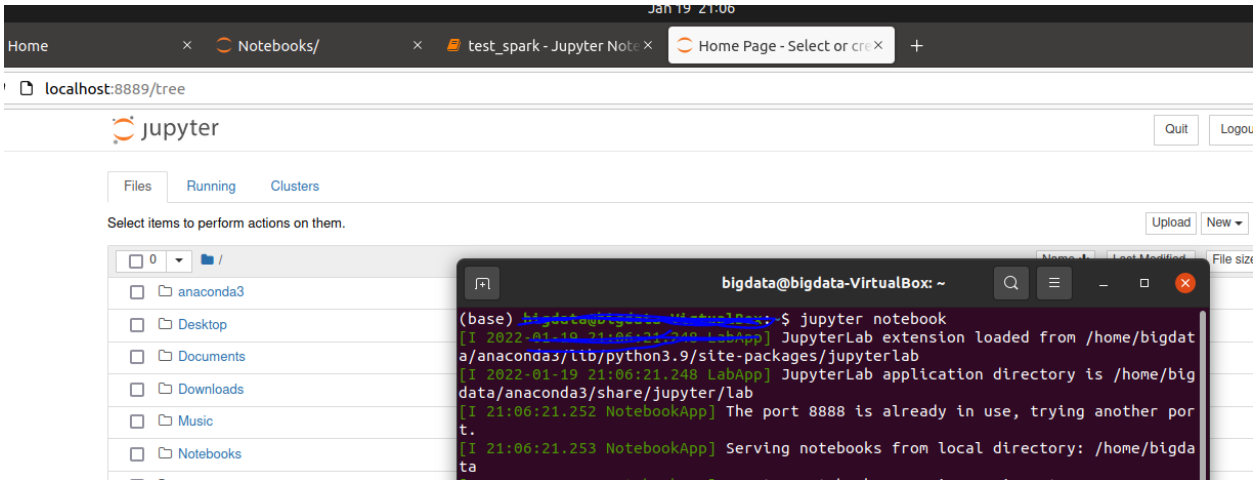
- All screenshots should have an indication that it was run on your own machine (e.g., your username, your computer information, or your name written in a notepad file that is part of the screenshot taken).
- Sample screenshots are attached below.
- You are required to complete this part of the homework on your local machine.

You need to get the following applications to run:

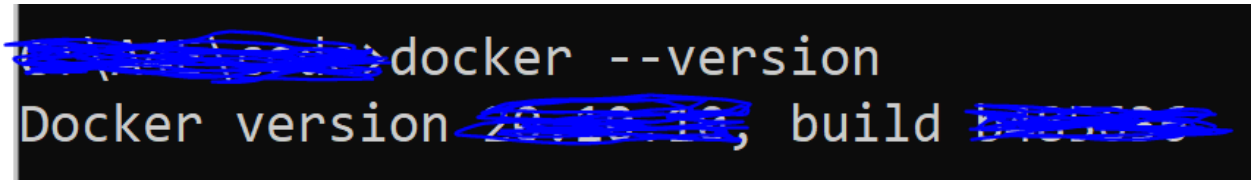
1. Submit your 12-digit AWS account IDs (provide it as TEXT and NOT a screenshot). Watch this video to know how to obtain it https://youtu.be/gU1kjzgb-gA?si=OaXK8M9-4lf8XJ2W
2. Anaconda Python 3.x. Provide a screenshot showing the version (username was omitted to avoid reusability). If you have Python 3.x already, you don't need to install Anaconda.



3. Jupyter. Make sure you are able to open and run Jupyter notebooks (or JuypterLab).



4. Docker. We will use Docker for several purposes throughout the course. Submit a screenshot that reflects the version of your docker



Part-II is on the next page.

Part-II (30%): Get familiar with GitHub

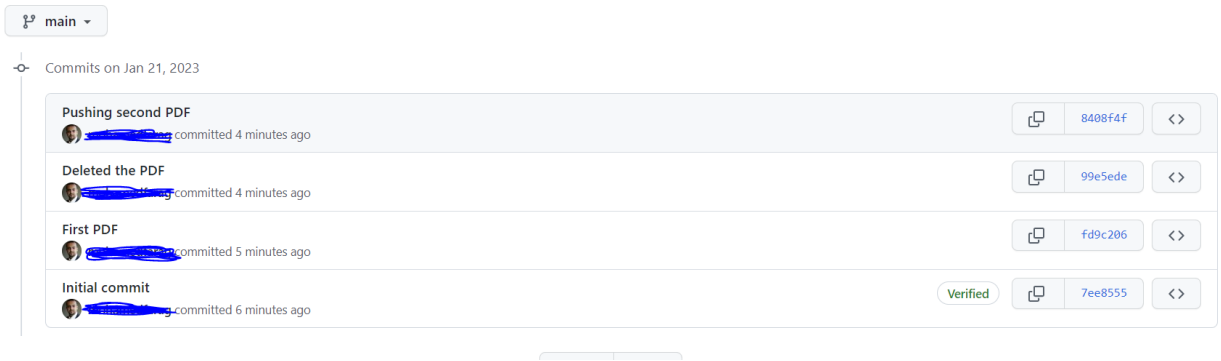
Submit screenshots for the completion of all the following GitHub Skills

1. https://github.com/skills/introduction-to-github
2. https://github.com/skills/communicate-using-markdown

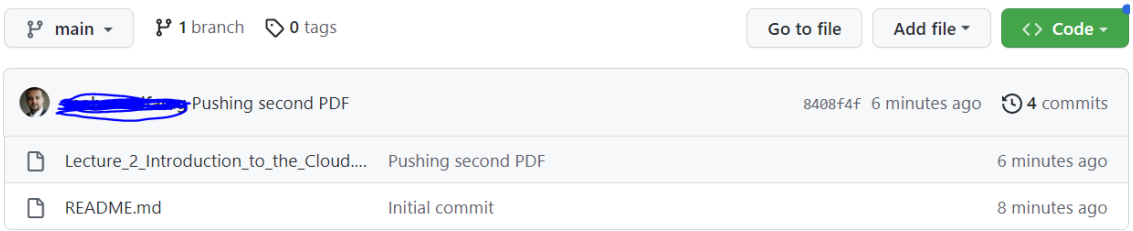
Your screenshot should reflect successful completion of the above labs.

Also, complete the following task:

- Create a Public GitHub Repository with the name “Test-Cloud-Infrastructure”
- Make sure to include ReadMe file in your repository.
- Push the PDF of the course syllabus to the repository.
- In a separate commit and push, delete the PDF file of the course syllabus
- Push the PDF of the homework PDF to your public repository.
- Submit the following:
  a) A screenshot of your GitHub repository history



  b) A screenshot of current view of your repository (sample screenshot is shown below – using different file)



  c) The URL of your **public** repository