Data Science Professional Practicum (DSCI 560)

Laboratory Assignment 1

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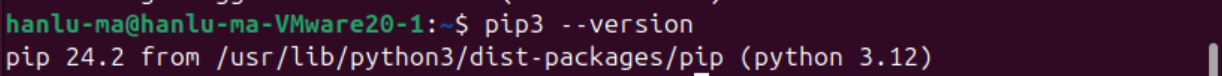
1. Installation and Setup
   1. Install VMware   
      VMware is downloaded and is waiting to be installed through the steps in the next section.  
      A screenshot of a computer

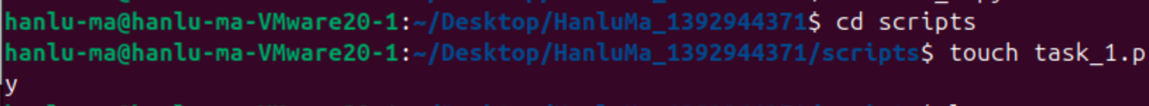
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   2. Download Ubuntu ISO Image
      1. Create a new virtual machine by using Ubuntu ISO image, and fully install Ubuntu and launch the virtual machine  
         A screenshot of a computer

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   3. Install Python on Linux
      1. Update packages list fully  
         A screenshot of a computer screen

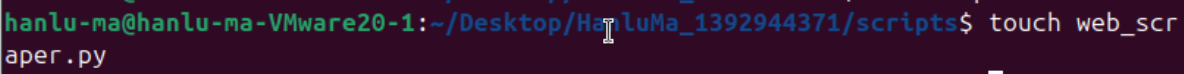
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      2. Install python3 and confirm its installation  
         A screenshot of a computer program

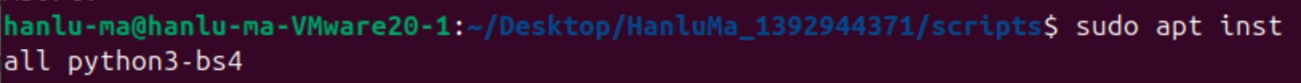
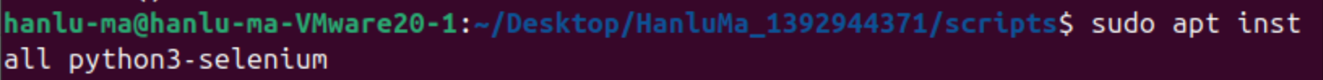
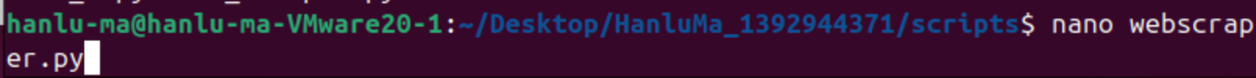
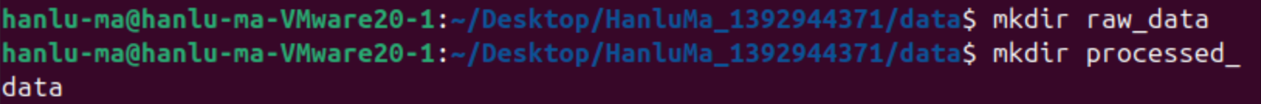
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      3. Install pip and verify its installation (consider the lengthy results from pip installation, I only list the command line of pip installation)  
           
         
2. Get Familiar with Linux and Python
   1. Playing around with Linux Terminal
      1. All the requested directories, subdirectories, and files are created and located properly.   
         A screenshot of a computer program

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         A computer screen with blue text

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   2. A basic Python Script
      1. Program the basic python script for ‘task\_1.py’  
         A computer screen with text

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      2. Run and test the python code, which shows the desired output.  
         A computer screen with blue text

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   3. Python Web-scraping Task   
      A screenshot of a computer

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      A computer screen with white text

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   4. Data Filtering Task