Task 0 – Test Setup Read Me

This file contains instructions to test the installation of Python and related libraries.

Kindly follow the steps below:

- You will find **test_setup.py** and **cardinal.pyc** files in the folder. **DO NOT modify any of these files.** "**cardinal.pyc**" file is used as a backend support for **test_setup.py** to execute, so **do not play with this file**.
- Open **Terminal** (for **Ubuntu**) or **Anaconda Prompt** (for **Windows**) and navigate to the folder where this **Test_Setup_Read_Me.pdf** file is located.
- Activate your virtual environment using command: "**conda activate HC#9999_stage1**". Type **python test_setup.py**. **Do not modify the Python file**.
- You should see the output as shown in Figure 1 (for **Windows**) or Figure 2 (for **Ubuntu**). The entire path in the image above may be different in your case.
- The output will show the Python version along with versions of libraries: OpenCV, NumPy, Sklearn, Pandas, SciPy, Matplotlib, PyTorch and Torchvision. If for any of the software/library, the version numbers do not satisfy the minimum expected version, you'll get the corresponding message to install the software/library with correct version.
- To update any library, you can type the following command. For example, your **NumPy** version is less than **1.14.x**, you can upgrade to the latest one by typing:

  pip install numpy --upgrade

- Once everything is as expected, you will get the message: "**Congrats ! All software/library are installed correctly.**" Along with this message, a text file "**output.txt**" is generated in the same folder. This file contains data in encoded format. **Kindly DO NOT play with or modify this output.txt file**, else your Task 0 will not be evaluated successfully. **Do not rename** this file, let it be "**output.txt**" only.
- On getting the output in Figure 1 or Figure 2, take the snapshot of the Anaconda Prompt or Terminal. Save this snapshot/image with the name as: **"HC#<Team_ID>_Task0.png"**. For example, if your Team ID is **9999**, name your image file as: **HC#9999_Task0.png**. Kindly note that the file name should be as specified with the extension as **.png** only.

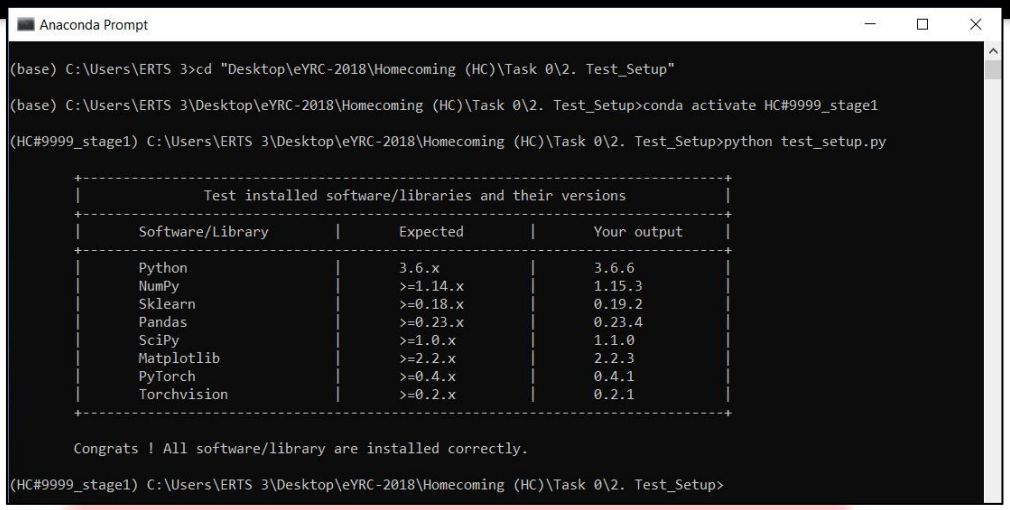

Figure 1: Output for Windows OS

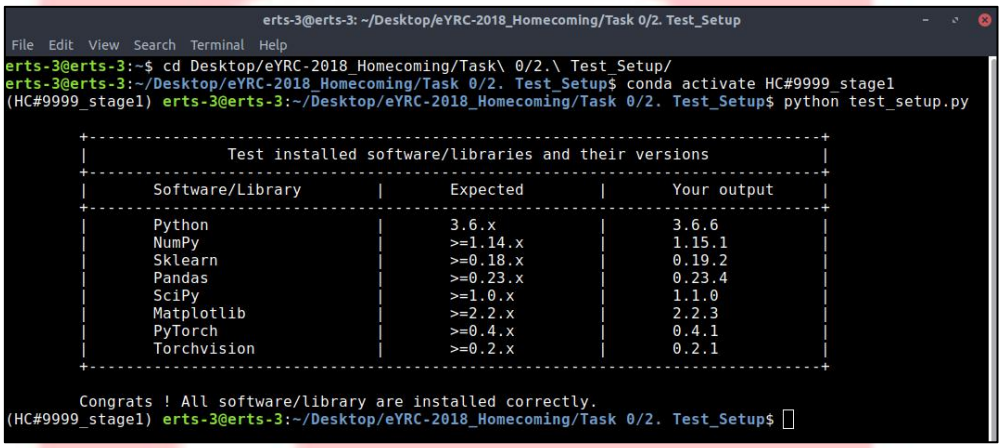

Figure 2: Output for Ubuntu OS

- For successful completion of **Task 0**, upload the image and text file on the portal. Select "**Select files/folder**" button to upload the text file. From the dialog box, select the "**output.txt**" file and click **Open** as shown in Figure 3.

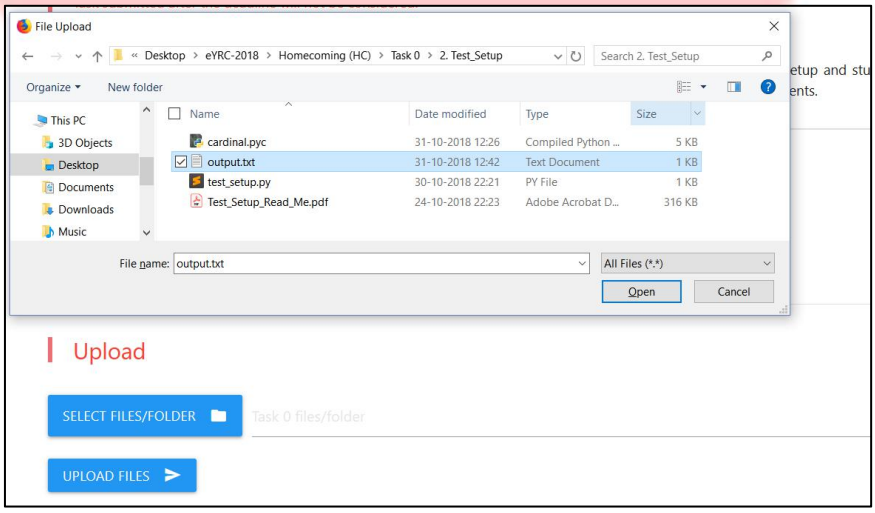

Figure 3

- You shall see the file name "**output.txt**" besides the "**Select files/folder**" button. Click on "**Upload files**" button to submit the text file.
- Repeat the previous two steps to upload an image file "**HC#<Team_ID>_Task0.png**" on portal. After uploading the image file, you shall see your both submissions on the page as shown in Figure 4.

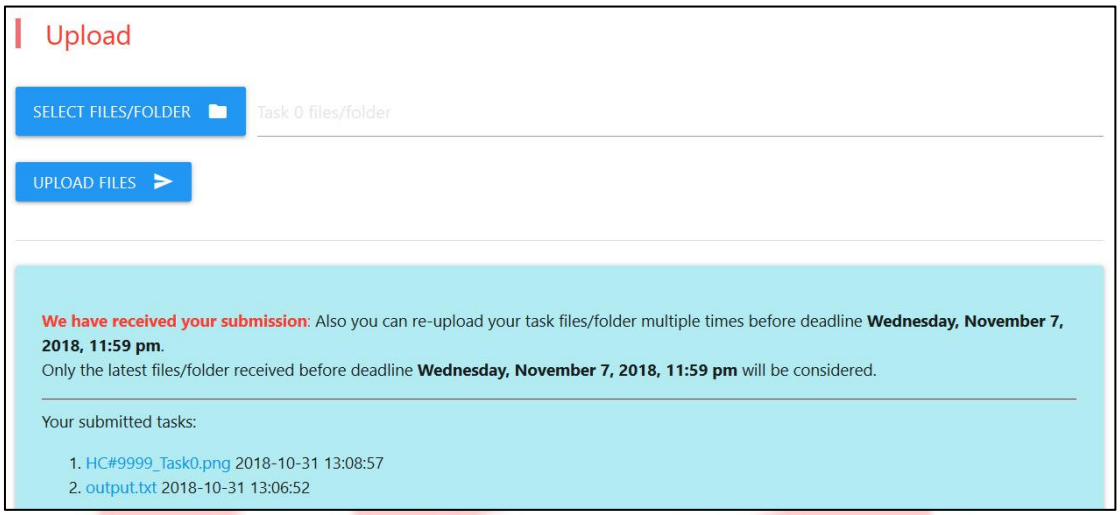

Figure 4

- Congratulations on completing **Task 0** successfully ! Kindly head over to learn the resources provided.