Instructions to Run Group B's Transformer Model on the Andromeda 1 HPC:

1. Upload the contents of the .zip file into Andromeda 1

2. Request a interactive GPU with:

   a. "Interactive -G 1 -p gpua100"

3. In terminal run

   a. "module load miniconda3/miniconda"

4. Next create a virtual environment with:

   a. "conda create -n env python=3.10"

5. Now, activate this environment with:

   a. "conda activate env"

6. Now, pip install the required libraries with:

   a. "pip install pandas torch transformers time scikit-learn json"

7. Now, the script can be run with:

   a. "python T5_train_bin.py"

8. Once training is complete, the test script can be ran with:

   a. "python T5_test_bin.py"

9. Output log files will be created by each script and saved into the working folder

10. Then in terminal use:

    a. "sbatch bin_job.sl" for the train code if desired to run entirely for 10 hours

    b. The test code can be run on an interactive GPU and should finish in about. 15 minutes