Instructions

1. Inorder to acess the complete intex extension for transformers folder the user needs to login in this link
https://jupyter-batch-us-region-1.cloud.intel.com/hub/user-redirect/lab/tree/Training/AI/GenAI/intel-extension-for-transformers

2.In certain cases the user needs to create an external kernel in a local environment which can be done with an anaconda package the entire procedure for creating a conda package as well a kernel has been included as a pdf in the repository

3. For the fine tuning section huggingface-cli login is required which can be installed with the the following cmd

4. pip install huggingface_hub
   from huggingface_hub import notebook_login
   notebook_login()

5. The complete step by step procedure for huggingface login as well as the creation of tokens has been included in the single_node_finetuning_on_spr pdf .

6.Once the login is successful the user can run the fine tuning notebooks by either loading the meta lama model offline or by connecting it with the huggingface token .

7.Once the model is loaded the user should download the different datasets required for different type of fine tuning such as alpaca dataset meant for text generation.

8.Similarly cnn_dailymail dataset required for summarisation The complete step by step by downloading of the dataset and unzipping of the file in the terminal has been included in the single_node_finetuning_on_spr pdf.

9. Once all the datasets have been unzipped and the lama model is loaded the user can finetune the 3 notebooks.

10. The report ppt has been included in the the drive link

https://drive.google.com/drive/folders/1eqQ3Y0HG8PL9_m8mL1icb13jcXoqAIEt?usp=drive_link