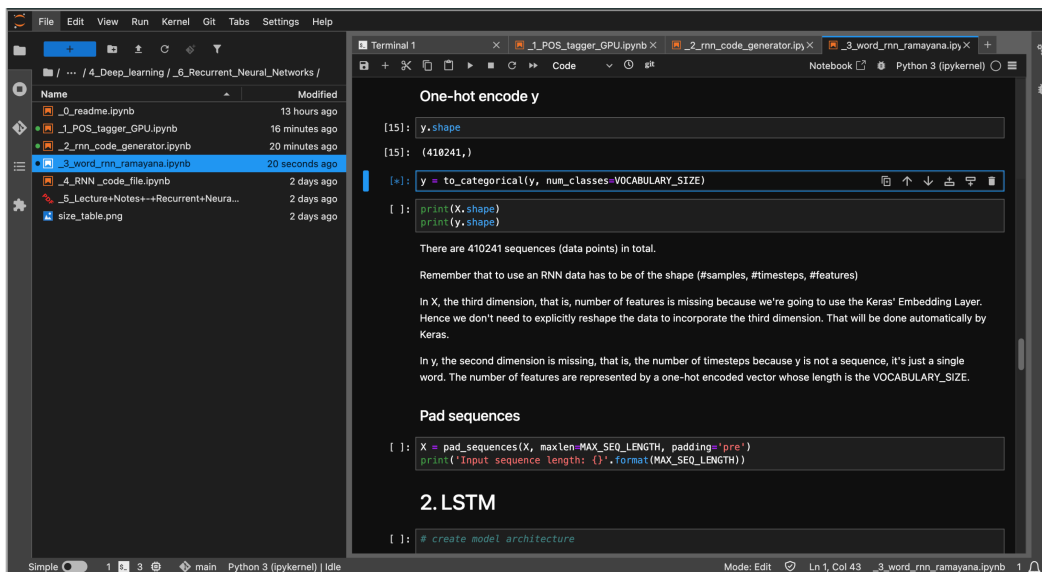


Pending items from Upgrad repo

As temporary workarounds, we took the following files / folders from existing code

2 Exam _2

8. Memory issue (MemoryError: Unable to allocate 54.0 GiB for an array with shape (410241, 17667) and data type float64)



```
[15]: y.shape
[15]: (410241,)
```

```
[+]: y = to_categorical(y, num_classes=VOCABULARY_SIZE)
[ ]: print(X.shape)
[ ]: print(y.shape)
```

There are 410241 sequences (data points) in total.

Remember that to use an RNN data has to be of the shape (#samples, #timesteps, #features)

In X, the third dimension, that is, number of features is missing because we're going to use the Keras' Embedding Layer. Hence we don't need to explicitly reshape the data to incorporate the third dimension. That will be done automatically by Keras.

In y, the second dimension is missing, that is, the number of timesteps because y is not a sequence, it's just a single word. The number of features are represented by a one-hot encoded vector whose length is the VOCABULARY_SIZE.

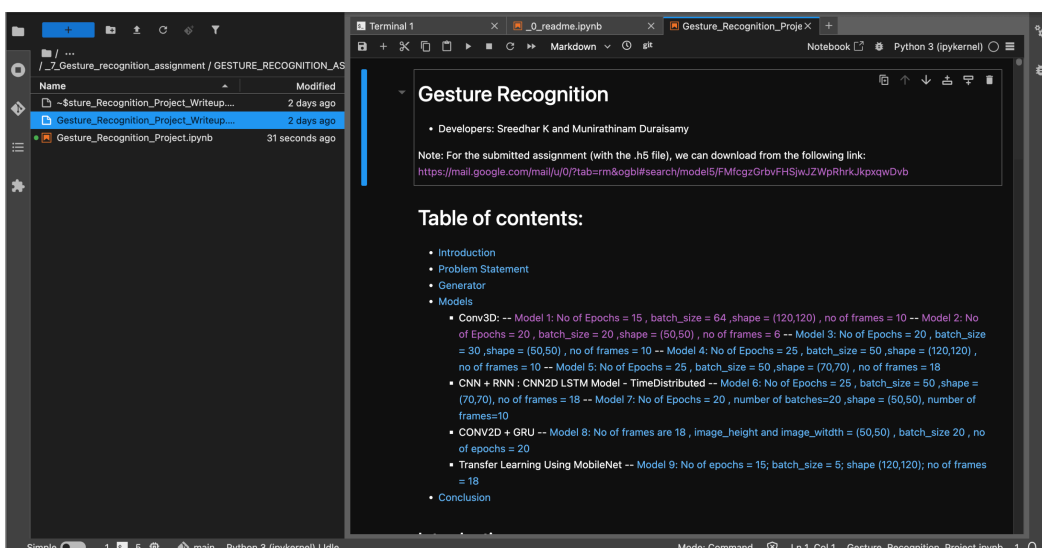
Pad sequences

```
[ ]: X = pad_sequences(X, maxlen=MAX_SEQ_LENGTH, padding='pre')
[ ]: print('Input sequence length: {}'.format(MAX_SEQ_LENGTH))
```

2. LSTM

```
[ ]: # create model architecture
```

9. Training and testing datasets not found



```
[ ]: # create model architecture
```

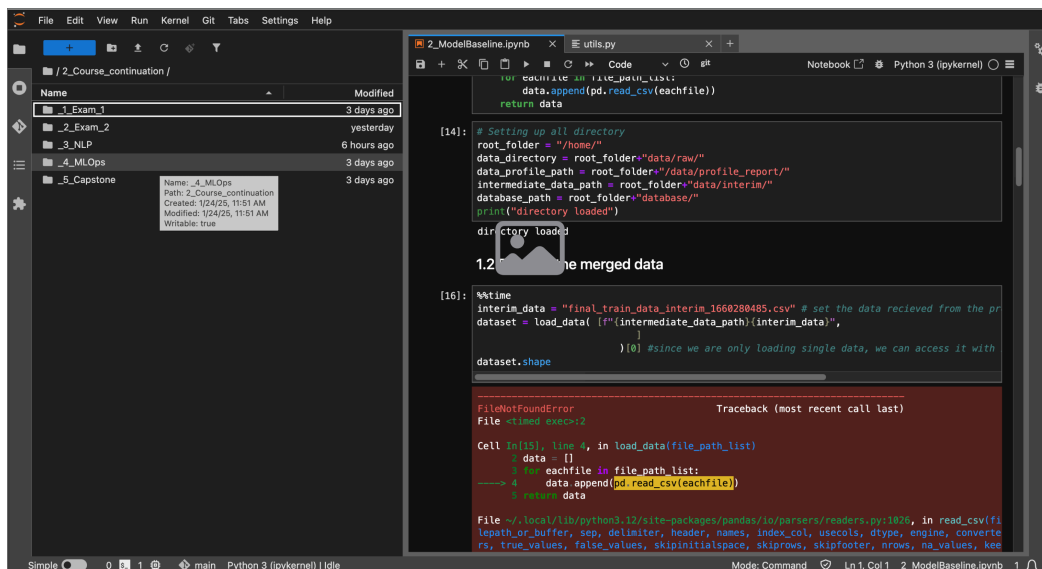
a

11.

1. Telecom Churn folder
2. MLOps folder

3. Individual files from above

4. MLOps (can be done only in Jarvis)



git add . && git commit -m "C" && git push origin main