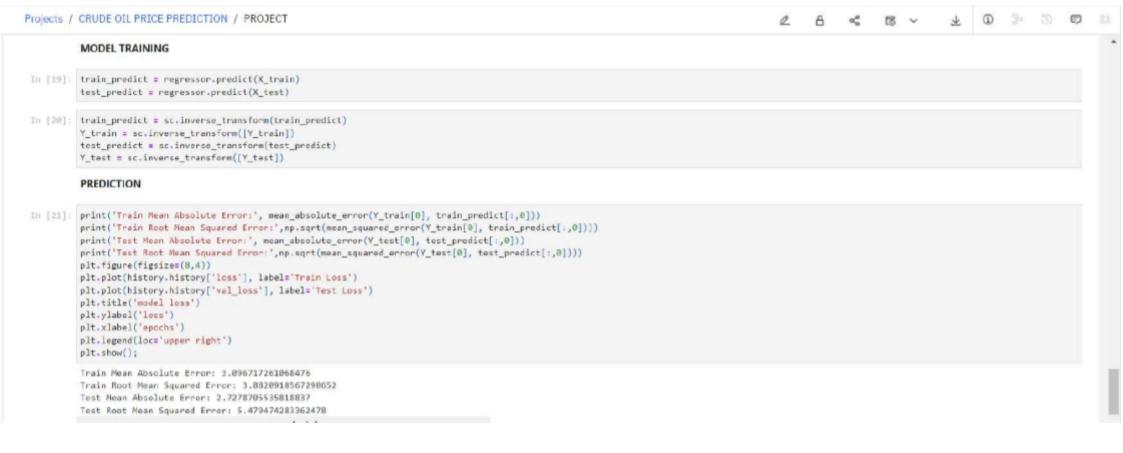
LSTM LAYER

```
In [18]: regressor = Sequential()
regressor.add(LSTM(units = 60, return sequences = True, input_shape = (X train.shape[1], 1)))
regressor.add(Dropout(0.1))
regressor.add(LSTM(units = 60, return sequences = True))
regressor.add(Dropout(0.1))
regressor.add(LSTM(units = 60))
regressor.add(Dropout(0.1))
regressor.add(Dense(units = 1))
regressor.compile(optimizer = 'adam', loss = 'mean squared error')
reduce_lr = ReduceLROnPlateau(monitor='val loss',patience=5)
history =regressor.fit(X train, Y train, epochs = 20, batch size = 15, validation data=(X test, Y test), callbacks=[reduce lr], shuffle=False)
Epoch 1/20
Epoch 2/20
Epoch 3/20
Epoch 4/20
Epoch 5/20
Epoch 6/20
Epoch 7/20
Epoch 8/20
```



plt.show();

Train Mean Absolute Error: 3.896717261068476 Train Root Mean Squared Error: 3.8820918567298652 Test Mean Absolute Error: 2.7278705535818837

Test Root Mean Squared Error: 5.479474283362478

