from keras.models import Sequential

from keras.layers import Dense

from keras.layers import LSTM

from keras.layers import Dropout

regressor = Sequential()

regressor.add(LSTM(units = 50, return\_sequences = True, input\_shape = (X\_train.shape[1], 1)))

regressor.add(Dropout(0.2))

regressor.add(LSTM(units = 50, return\_sequences = True))

regressor.add(Dropout(0.2))

regressor.add(LSTM(units = 50, return\_sequences = True))

regressor.add(Dropout(0.2))

regressor.add(LSTM(units = 50))

regressor.add(Dropout(0.2))

regressor.add(Dense(units = 1))

regressor.compile(optimizer = 'adam', loss = 'mean\_squared\_error')

regressor.fit(X\_train, y\_train, epochs = 100, batch\_size = 32)