**AI BASED STOCK PRICE PREDICTION USING BERT MODEL**

**Program Code for Loading and Preprocessing Dataset:**

**(By BERT Transformer Model)**

import numpy as np

import pandas as pd

import tensorflow as tf

import matplotlib.pyplot as plt

from sklearn.model\_selection import train\_test\_split

path = 'embedding\_files/'

max\_embedding = pd.read\_json(path+'max\_embedding.json')

min\_embedding = pd.read\_json(path+'min\_embedding.json')

mean\_embedding = pd.read\_json(path+'mean\_embedding.json')

sum\_embedding = pd.read\_json(path+'sum\_embedding.json')

djia = pd.read\_csv('data/DJIA\_table.csv')

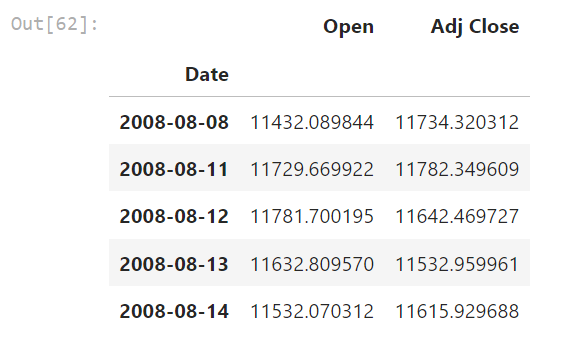
djia = djia.loc[:, ['Date', 'Open', 'Adj Close']].sort\_values('Date').set\_index('Date')



open\_price = djia[['Open']]

adj\_close\_price = djia[['Adj Close']]

djia.head()



max\_embedding.head(1)

