

## Text Processing Exercise

In this exercise, you will learn some building blocks for text processing. You will learn how to normalize, tokenize, stemmeize, and lemmatize tweets from Twitter.

### Fetch Data from the online resource

First, we will use the `get_tweets()` function from the `exercise_helper` module to get all the tweets from the following Twitter page <https://twitter.com/AIForTrading1> (<https://twitter.com/AIForTrading1>). This website corresponds to a Twitter account created especially for this course. This website contains 28 tweets, and our goal will be to get all these 28 tweets. The `get_tweets()` function uses the `requests` library and `BeautifulSoup` to get all the tweets from our website. In a later lesson we will learn how to use the `requests` library and `BeautifulSoup` to get data from websites. For now, we will just use this function to help us get the tweets we want.

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In [1]: import exercise_helper

all_tweets = exercise_helper.get_tweets()

print(all_tweets)
```

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['The Long-Term Stock Exchange Is Worth a Shot', 'Predicting Stock Performance with Natural Language Deep Learning', 'Comcast Acquiring Time Warner Cable In All Stock Deal Worth $45.2 Billion', 'Facebook stock drops more than 20% after revenue forecast misses', 'Facebook Buying WhatsApp for $16B in Cash and Stock Plus $3B in RSUs', 'Netflix's 'death cross' is the third for FAANG stocks and Nasdaq Composite is next', 'After Yesterday's Signs of Recovery, Crypto Markets See Drastic Losses', 'MF Sees Australia Risks Tilt to Downside on China, Trade War', 'Bitcoin Cash Clash Is Costing Billions With No End in Sight', 'SEC Crypto Settlements Spur Expectations of Wider ICO Crackdown', 'Nissan's Drama Looks a Lot Like a Palace Coup', 'Yahoo Finance has apparently killed its API', 'Tesla Tanks After Goldman Downgrades to Sell', 'Goldman Sachs to Open a Bitcoin Trading Operation', 'Tax-Free Bitcoin-To-Ether Trading in US to End Under GOP Plan', 'Goldman Sachs Is Setting Up a Cryptocurrency Trading Desk', 'Robinhood stock trading app confirms $110M raise at $1.3B valuation', 'How I made $500k with machine learning and high frequency trading', 'Tesla's Finance Team Is Losing Another Top Executive', 'Finance sites erroneously show Amazon, Apple, other stocks crashing', 'Jeff Bezos Says He Is Selling $1 Billion a Year in Amazon Stock to Finance Race to Space', 'US government commits to publish publicly financed software under Free Software licenses', 'The dream life is having your luggage first out of the carousel each time.', 'Stocks Sink as Apple, Facebook Pace the Tech Wreck: Markets Wrap', 'Elon Musk's SpaceX Cuts Loan Deal by $500 Million', 'Nvidia Stock Falls Another 12%', 'Any
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