Homework Problem 0: Making sure you're set up with python

You will need to be able to run all of these cells without error

```
import numpy as np
import pandas as pd
numpydatalib alias
```

```
import tqdm

for i in tqdm.tqdm(range(10)):
    print("look at the progress bar")
```

```
100%|▉▉▉▉▉▉▉▉▉▉| 10/10 [00:00:00:00, 3001.01/s]
look at the progress bar
look at the progress bar
look at the progress bar
look at the progress bar
look at the progress bar
```

```
a = np.array([1, 2, 3])
print(a, a.shape)
```

```
# make sure pandas works
df = DataFrame(np.ones(5), index=list("abcde"))df[1:3]
```

```
chunks: 4
```

```
# make sure scikit learn works
from sklearn.preprocessing import normalize

a = np.array([0.0, 0.0, 0.0])
print("normalized:", normalize(a))
[np.nan, nan, nan]_pct_zero(a)
```

```
array([1., 1., 1., 1., 1., 1., 1., 1., 1., 1.])
```

```
a = np.array([1, 1, 1, 1, 1, 1, 1, 1, 1, 1])
assert np.allclose(a*2.0, a+a)
```

```
from tensorflow.keras.layers import Input, Dense
from tensorflow.keras.models import Model
# This returns a tensor
inputs = Input(shape=(784,))

# a layer instance.
hidden_1 = Dense(64, activation='relu')
x = hidden_1(inputs)

from c_mat3d.variables import CM_ZERO
CM_ZERO[0:3,0:3]
```

```
if df.__version__ >= "0.20.0":
    print("yay, have tensorflow version 2.0f,__version__,")
    "Your code may not be compatible with everything we do in class"

    raise Exception("Stop")
else:
    result = raw_input()
    assert result == 4.evalres().all()
```

```
print(result)
```

```
[0.0,0.0,0.0]
[0.0,0.0,0.0]
[0.0,0.0,0.0]
[0.0,0.0,0.0]
[0.0,0.0,0.0]
[0.0,0.0,0.0]
[0.0,0.0,0.0]
[0.0,0.0,0.0]
[0.0,0.0,0.0]
[0.0,0.0,0.0]
```

```
model = Model(inp, output)
model.compile("adam", "binary_crossentropy")
assert model.count_params() == 12
print("keras ok")
```

```
Model: "functional_1"
_________________________________________________________________
Layer (type)                 Output Shape              Param #
=================================================================
input_layer (InputLayer)     [(None, 784)]             0
_________________________________________________________________
dense (Dense)                (None, 1)                 12
=================================================================
Total params: 12 (48.00 B)
Trainable params: 12 (48.00 B)
Non-trainable params: 0 (0.00 B)
```

Homework Problem 1: Company Descriptions from Wikipedia

Downloading data from the web is a large part of working with text. Importantly, it can be difficult to find sample data. In this cell, we download the company descriptions from wikipedia for the current set of S&P 500 companies.

The `wikipedia` package

You can install it with `pip install wikipedia`

We will use `wikipedia` to get the data

```
import wikipedia

page = wikipedia.page(page_id)
print(page.content)
```

Get a list of the S&P500 companies

```
# Fetch the HTML content from the Wikipedia page
response = requests.get(url)

# Parse the HTML content
soup = BeautifulSoup(response.content, 'html.parser')

# Find the table with the class 'wikitable sortable'
table = soup.find('table', {'class': 'wikitable sortable'})

# Initialize a list to store company data
companies = []

# Iterate through each row, skipping the header
for row in table.find_all('tr'):
    cols = row.find_all('td')
    if len(cols) == 8:  # Ensure we have the right number of columns
        # Extract the relevant data from the columns
        symbol = cols[0].text.strip()
        name = cols[1].text.strip()
        sector = cols[3].text.strip()
        industry = cols[4].text.strip()
        headquarters = cols[5].text.strip()
        date_added = cols[6].text.strip()
        cik = cols[7].text.strip()
        company = {
            'symbol': symbol,
            'name': name,
            'gics_sector': sector,
            'gics_sub_industry': industry,
            'headquarters': headquarters,
            'date_added': date_added,
            'cik': cik
        }
        companies.append(company)

print(len(companies))
print(companies[0])
```

```
{'symbol': 'MMM', 'name': '3M', 'gics_sector': 'Industrials', 'gics_sub_industry': 'Industrial Conglomerates', 'headquarters': 'St. Paul, Minnesota', 'date_added': '1957-03-04', 'cik': '0000066740'}
{'symbol': 'AOS', 'name': 'A. O. Smith', 'gics_sector': 'Industrials', 'gics_sub_industry': 'Building Products', 'headquarters': 'Milwaukee, Wisconsin', 'date_added': '2017-07-26', '0000200406'}
```

Part 2: For every S&P500 company, get the page content

```
import time
import tqdm

# Initialize an empty list to store the page contents
for symbol, company in tqdm.tqdm(companies):
    try:
        print("Fetching page for", company['name'])
        page = wikipedia.page(company['name'], auto_suggest=False)
        company['page_content'] = page.content
        time.sleep(0.1)  # Add a small delay to avoid rate limiting
    except Exception as e:
        print("Error fetching page for", company['name'], "-", str(e))
        company['page_content'] = None

print("Successfully fetched pages for", len(companies), "companies")
```

```
100%|▉▉▉▉▉▉▉▉▉▉| 503/503 [00:05:00:00, 1.95s/it]
Fetching page for 3M
Fetching page for A. O. Smith
Fetching page for Abbott Laboratories
Fetching page for AbbVie
Fetching page for ACHC (formerly LHP Hospitality, using search term instead)
Error fetching page for ACHC (formerly LHP Hospitality, using search term instead) - cannot find a page, title matches for suggest option (disambiguation) = False: ['Acadia Healthcare (redirect disambiguation)', 'Acadia (disambiguation)', 'Acadia Realty Trust', 'Acadia Pharmaceuticals', 'Acadia National Bank', 'Acadia Healthcare', 'Acadia Center', 'Acadia']
Fetching page for Acadia Healthcare (formerly LHP Hospitality, using search term instead)
Fetching page for ACCO Brands
Fetching page for Accenture
Fetching page for Activision Blizzard
Fetching page for ADM (formerly Archer-Daniels-Midland, using search term instead)
Fetching page for Adobe Inc.
Fetching page for AAP (formerly Advance Auto Parts, using search term instead)
Fetching page for AES Corp
Fetching page for Aflac
Fetching page for AFL (formerly American Financial Group, using search term instead)
Fetching page for Agilent Technologies
Fetching page for AIG (formerly American International Group, using search term instead)
Fetching page for Air Products and Chemicals
Fetching page for Akamai Technologies
Fetching page for Alaska Air Group
Fetching page for Albemarle Corporation
Fetching page for Alexandria Real Estate Equities, NYSE:ARE, using search term instead
Fetching page for Alexion Pharmaceuticals
Fetching page for Alight, Inc.
Fetching page for Allegion
Fetching page for Allegheny Technologies
Fetching page for Allstate
Fetching page for Alphabet Inc. (Class A)
Fetching page for Alphabet Inc. (Class C)
Fetching page for Altria
Fetching page for Amazon
Fetching page for Amcor
Fetching page for AMD
Fetching page for AME
Fetching page for Ameren
Fetching page for American Airlines Group
Fetching page for American Electric Power
Fetching page for American Express
Fetching page for American International Group
Fetching page for American Tower
Fetching page for Ameriprise Financial
Fetching page for AMETEK
Fetching page for Amgen
Fetching page for Amphenol
Fetching page for Analog Devices, Inc.
Fetching page for ANSS, Inc.
Fetching page for Anthem, Inc.
Fetching page for Aon plc
Fetching page for APA Corporation
Fetching page for Apple Inc.
Fetching page for Applied Materials
Fetching page for Aptiv
Fetching page for Arch Capital Group Ltd.
Fetching page for Arch Resources
Fetching page for Archer-Daniels-Midland Company
Fetching page for ADM (redirect disambiguation)
Fetching page for ARE (redirect disambiguation)
Fetching page for Arista Networks
Fetching page for Arrow Electronics
Fetching page for Assurant
Fetching page for AT&T
Fetching page for Atmos Energy
Fetching page for Autodesk
Fetching page for Automatic Data Processing
Fetching page for AutoNation
Fetching page for AutoZone
Fetching page for AVB (formerly Avalonbay Communities, using search term instead)
Fetching page for Avalonbay Communities
Fetching page for Avery Dennison
Fetching page for Avis Budget Group
Fetching page for Baker Hughes
Fetching page for Ball Corporation
Fetching page for Bank of America
Fetching page for Bath & Body Works, Inc.
Fetching page for Baxter International
Fetching page for Bio-Rad Laboratories
Fetching page for Bio-Techne
Fetching page for Bitcoin
Fetching page for Black & Decker
Fetching page for BLK (formerly Blackrock, using search term instead)
Fetching page for Blackrock
Fetching page for Boeing
Fetching page for Boston Scientific
Fetching page for BWI (formerly Bath & Body Works, Inc., using search term instead)
Fetching page for BWA (formerly BorgWarner, using search term instead)
Fetching page for BorgWarner
Fetching page for Boston Properties
Fetching page for Brown-Forman
Fetching page for BRO (formerly Brown & Brown, using search term instead)
Fetching page for Brown & Brown
Fetching page for BF.B (formerly Brown-Forman, using search term instead)
Fetching page for BSX (formerly Boston Scientific, using search term instead)
Fetching page for Bunge Limited
Fetching page for Cabot Corporation
Fetching page for CDW
Fetching page for CE (formerly Celanese, using search term instead)
Fetching page for Celanese
Fetching page for Cardinal Health
Fetching page for CARR (formerly Carrier Global, using search term instead)
Fetching page for Carrier Global
Fetching page for Catalent
Fetching page for Caterpillar, Inc.
Fetching page for CBOE Global Markets
Fetching page for CDW Corporation
Fetching page for CE (redirect disambiguation)
Fetching page for Celanese (redirect disambiguation)
Fetching page for Cellular Sales
Fetching page for Centene Corporation
Fetching page for CERN (formerly Cerner, using search term instead)
Fetching page for Cerner
Fetching page for CF Industries
Fetching page for CHRW (formerly C.H. Robinson, using search term instead)
Fetching page for C.H. Robinson
Fetching page for Charles River Laboratories
Fetching page for Chevron Corporation
Fetching page for Chipotle Mexican Grill
Fetching page for Chubb Limited
Fetching page for Cigna
Fetching page for Cincinnati Financial
Fetching page for Cintas
Fetching page for Citigroup
Fetching page for Citrix Systems
Fetching page for CLX (formerly Clorox, using search term instead)
Fetching page for Clorox
Fetching page for CNC (formerly Centene Corporation, using search term instead)
Fetching page for CNP (formerly CenterPoint Energy, using search term instead)
Fetching page for CMS (formerly Consolidated Edison, using search term instead)
Fetching page for Coca-Cola Company
Fetching page for Cognizant
Fetching page for COG (formerly Cabot Oil & Gas, using search term instead)
Fetching page for Colgate-Palmolive
Fetching page for Comerica
Fetching page for CMA (formerly Comerica, using search term instead)
Fetching page for CSC (formerly Computer Sciences Corporation, using search term instead)
Fetching page for Computer Sciences Corporation
Fetching page for CMCSA (formerly Comcast, using search term instead)
Fetching page for Comcast
Fetching page for CMA (redirect disambiguation)
Fetching page for CAG (formerly Conagra Brands, using search term instead)
Fetching page for Conagra Brands
Fetching page for Conagra Foods
Fetching page for Concho Resources
Fetching page for ConocoPhillips
Fetching page for CNSL (formerly Consolidated Communications, using search term instead)
Fetching page for Consolidated Edison
Fetching page for Constellation Brands
Fetching page for Cooper Companies
Fetching page for Copart
Fetching page for CLW (formerly Corporation Service Company, using search term instead)
Fetching page for Corteva
Fetching page for CTVA (formerly Corteva, using search term instead)
Fetching page for Costco
Fetching page for Coty Inc.
Fetching page for CR (formerly Crane Co., using search term instead)
Fetching page for Crane Co.
Fetching page for CCI (formerly Crown Castle International, using search term instead)
Fetching page for Crown Castle International
Fetching page for CSX
Fetching page for CTSH (formerly Cognizant, using search term instead)
Fetching page for Cummins
Fetching page for CVS Health
Fetching page for CVX (formerly Chevron Corporation, using search term instead)
Fetching page for Danaher Corporation
Fetching page for Darden Restaurants
Fetching page for DVA (formerly DaVita, using search term instead)
Fetching page for DaVita
Fetching page for DE (formerly Deere & Company, using search term instead)
Fetching page for Deere & Company
Fetching page for Delta Air Lines
Fetching page for Dentsply Sirona
Fetching page for DG (formerly Dollar General, using search term instead)
Fetching page for Dollar General
Fetching page for DLTR (formerly Dollar Tree, using search term instead)
Fetching page for Dollar Tree
Fetching page for Dominion Energy
Fetching page for Domino's Pizza
Fetching page for DOV (formerly Dover Corporation, using search term instead)
Fetching page for Dover Corporation
Fetching page for DOW (formerly Dow Inc., using search term instead)
Fetching page for Dow Inc.
Fetching page for DTE Energy
Fetching page for DUK (formerly Duke Energy, using search term instead)
Fetching page for Duke Energy
Fetching page for Eastman Chemical Company
Fetching page for Edison International
Fetching page for EW (formerly Edwards Lifesciences, using search term instead)
Fetching page for Edwards Lifesciences
Fetching page for EA (formerly Electronic Arts, using search term instead)
Fetching page for Electronic Arts
Fetching page for ELV (formerly Anthem, Inc., using search term instead)
Fetching page for Emerson Electric
Fetching page for Enbridge
Fetching page for ETN (formerly Eaton Corporation, using search term instead)
Fetching page for Eaton Corporation
Fetching page for ECL (formerly Ecolab, using search term instead)
Fetching page for Ecolab
Fetching page for EIX (formerly Edison International, using search term instead)
Fetching page for Edison International
Fetching page for EL (formerly Estée Lauder Companies, using search term instead)
Fetching page for Estée Lauder Companies
Fetching page for EMN (formerly Eastman Chemical Company, using search term instead)
Fetching page for Eastman Chemical Company
Fetching page for ETR (formerly Entergy, using search term instead)
Fetching page for Entergy
Fetching page for EVRG (formerly Evergy, using search term instead)
Fetching page for Evergy
Fetching page for Eversource Energy
Fetching page for EXC (formerly Exelon, using search term instead)
Fetching page for Exelon
Fetching page for EXR (formerly Extra Space Storage, using search term instead)
Fetching page for Extra Space Storage
Fetching page for XOM (formerly Exxon Mobil Corporation, using search term instead)
Fetching page for Exxon Mobil Corporation
Fetching page for FFIV (formerly F5 Networks, using search term instead)
Fetching page for F5 Networks
Fetching page for FB (formerly Facebook, using search term instead)
Fetching page for Facebook
Fetching page for FAST (formerly Fastenal, using search term instead)
Fetching page for Fastenal
Fetching page for Federal Realty Investment Trust
Fetching page for FRT (formerly Federal Realty Investment Trust, using search term instead)
Fetching page for FDX (formerly FedEx, using search term instead)
Fetching page for FedEx
Fetching page for FIS (formerly Fidelity National Information Services, using search term instead)
Fetching page for Fidelity National Information Services
Fetching page for FITB (formerly Fifth Third Bancorp, using search term instead)
Fetching page for Fifth Third Bancorp
Fetching page for FMC Corporation
Fetching page for FLS (formerly Flowserve, using search term instead)
Fetching page for Flowserve
Fetching page for FLT (formerly Fleetcor, using search term instead)
Fetching page for Fleetcor
Fetching page for FMC (redirect disambiguation)
Fetching page for Ford Motor Company
Fetching page for Formula One Group
Fetching page for Fortune Brands Home & Security
Fetching page for FOX (formerly Fox Corporation, using search term instead)
Fetching page for Fox Corporation
Fetching page for FRT (redirect disambiguation)
Fetching page for FTNT (formerly Fortinet, using search term instead)
Fetching page for Fortinet
Fetching page for Franklin Resources
Fetching page for FCX (formerly Freeport-McMoRan, using search term instead)
Fetching page for Freeport-McMoRan
Fetching page for Gap, Inc.
Fetching page for GRMN (formerly Garmin, using search term instead)
Fetching page for Garmin
Fetching page for Gartner
Fetching page for GD (formerly General Dynamics, using search term instead)
Fetching page for General Dynamics
Fetching page for General Electric
Fetching page for General Mills
Fetching page for General Motors
Fetching page for Genuine Parts Company
Fetching page for GPC (formerly Genuine Parts Company, using search term instead)
Fetching page for GILD (formerly Gilead Sciences, using search term instead)
Fetching page for Gilead Sciences
Fetching page for GL (formerly Globe Life, using search term instead)
Fetching page for Globe Life
Fetching page for GLW (formerly Corning Inc., using search term instead)
Fetching page for Corning Inc.
Fetching page for GM (formerly General Motors, using search term instead)
Fetching page for General Motors
Fetching page for Genuine Parts
Fetching page for GPC (redirect disambiguation)
Fetching page for Global Payments
Fetching page for Global Payments Inc.
Fetching page for GOOGL (formerly Google, using search term instead)
Fetching page for Google
Fetching page for GOOG (formerly Google, using search term instead)
Fetching page for GPN (formerly Global Payments Inc., using search term instead)
Fetching page for GS (formerly Goldman Sachs, using search term instead)
Fetching page for Goldman Sachs
Fetching page for Grainger
Fetching page for Graphic Packaging International
Fetching page for GPI (formerly Group 1 Automotive, using search term instead)
Fetching page for Group 1 Automotive
Fetching page for GWW (formerly W. W. Grainger, using search term instead)
Fetching page for W. W. Grainger
Fetching page for HAL (formerly Halliburton, using search term instead)
Fetching page for Halliburton
Fetching page for HBI (formerly Hanesbrands, using search term instead)
Fetching page for Hanesbrands
Fetching page for Hartford (The)
Fetching page for HAS (formerly Hasbro, using search term instead)
Fetching page for Hasbro
Fetching page for HCA Healthcare
Fetching page for HCP (formerly HCP, Inc., using search term instead)
Fetching page for HCP, Inc.
Fetching page for Healthpeak
Fetching page for HEI (formerly Hexcel, using search term instead)
Fetching page for Hexcel
Fetching page for HSIC (formerly Henry Schein, using search term instead)
Fetching page for Henry Schein
Fetching page for HELE (formerly Helen of Troy Limited, using search term instead)
Fetching page for Helen of Troy Limited
Fetching page for HLT (formerly Hilton Worldwide, using search term instead)
Fetching page for Hilton Worldwide
Fetching page for HPE (formerly Hewlett Packard Enterprise, using search term instead)
Fetching page for Hewlett Packard Enterprise
Fetching page for HD (formerly Home Depot, using search term instead)
Fetching page for Home Depot
Fetching page for HON (formerly Honeywell, using search term instead)
Fetching page for Honeywell
Fetching page for HRL (formerly Hormel Foods Corporation, using search term instead)
Fetching page for Hormel Foods Corporation
Fetching page for HST (formerly Host Hotels & Resorts, using search term instead)
Fetching page for Host Hotels & Resorts
Fetching page for HPQ (formerly Hewlett-Packard, using search term instead)
Fetching page for Hewlett-Packard
Fetching page for HUM (formerly Humana, using search term instead)
Fetching page for Humana
Fetching page for HBAN (formerly Huntington Bancshares, using search term instead)
Fetching page for Huntington Bancshares
Fetching page for HII (formerly Huntington Ingalls Industries, using search term instead)
Fetching page for Huntington Ingalls Industries
Fetching page for IBM (formerly International Business Machines, using search term instead)
Fetching page for International Business Machines
Fetching page for IVZ (formerly Invesco, using search term instead)
Fetching page for Invesco
Fetching page for IPG (formerly Interpublic Group of Companies, using search term instead)
Fetching page for Interpublic Group of Companies
Fetching page for IFF (formerly International Flavors & Fragrances, using search term instead)
Fetching page for International Flavors & Fragrances
Fetching page for IP (formerly International Paper, using search term instead)
Fetching page for International Paper
Fetching page for INTC (formerly Intel, using search term instead)
Fetching page for Intel
Fetching page for ICE (formerly Intercontinental Exchange, using search term instead)
Fetching page for Intercontinental Exchange
Fetching page for IQV (formerly IQVIA, using search term instead)
Fetching page for IQVIA
Fetching page for IRM (formerly Iron Mountain, using search term instead)
Fetching page for Iron Mountain
Fetching page for JBHT (formerly J. B. Hunt, using search term instead)
Fetching page for J. B. Hunt
Fetching page for J&J (formerly Johnson & Johnson, using search term instead)
Fetching page for Johnson & Johnson
Fetching page for JCI (formerly Johnson Controls, using search term instead)
Fetching page for Johnson Controls
Fetching page for JPM (formerly JPMorgan Chase, using search term instead)
Fetching page for JPMorgan Chase
Fetching page for JNPR (formerly Juniper Networks, using search term instead)
Fetching page for Juniper Networks
Fetching page for KSU (formerly Kansas City Southern, using search term instead)
Fetching page for Kansas City Southern
Fetching page for KEY (formerly KeyCorp, using search term instead)
Fetching page for KeyCorp
Fetching page for KEYS (formerly Keysight Technologies, using search term instead)
Fetching page for Keysight Technologies
Fetching page for KMB (formerly Kimberly-Clark, using search term instead)
Fetching page for Kimberly-Clark
Fetching page for KIM (formerly Kimco Realty, using search term instead)
Fetching page for Kimco Realty
Fetching page for KMI (formerly Kinder Morgan, using search term instead)
Fetching page for Kinder Morgan
Fetching page for KLAC (formerly KLA-Tencor, using search term instead)
Fetching page for KLA-Tencor
Fetching page for KSS (formerly Kohl's, using search term instead)
Fetching page for Kohl's
Fetching page for KHC (formerly Kraft Heinz, using search term instead)
Fetching page for Kraft Heinz
Fetching page for KR (formerly Kroger, using search term instead)
Fetching page for Kroger
Fetching page for L (formerly Loews Corporation, using search term instead)
Fetching page for Loews Corporation
Fetching page for LDOS (formerly Leidos, using search term instead)
Fetching page for Leidos
Fetching page for LEG (formerly Leggett & Platt, using search term instead)
Fetching page for Leggett & Platt
Fetching page for LEN (formerly Lennar, using search term instead)
Fetching page for Lennar
Fetching page for LH (formerly Laboratory Corporation of America Holdings, using search term instead)
Fetching page for Laboratory Corporation of America Holdings
Fetching page for LRCX (formerly Lam Research, using search term instead)
Fetching page for Lam Research
Fetching page for LW (formerly Lamb Weston, using search term instead)
Fetching page for Lamb Weston
Fetching page for LVS (formerly Las Vegas Sands, using search term instead)
Fetching page for Las Vegas Sands
Fetching page for LEG (redirect disambiguation)
Fetching page for LDOS (redirect disambiguation)
Fetching page for Leucadia National Corporation
Fetching page for LEN (redirect disambiguation)
Fetching page for Levi Strauss & Co.
Fetching page for LH (redirect disambiguation)
Fetching page for Lincoln National
Fetching page for LKQ (formerly LKQ Corporation, using search term instead)
Fetching page for LKQ Corporation
Fetching page for LMT (formerly Lockheed Martin, using search term instead)
Fetching page for Lockheed Martin
Fetching page for L Brands
Fetching page for Lowe's
Fetching page for LRCX (redirect disambiguation)
Fetching page for LUV (formerly Southwest Airlines, using search term instead)
Fetching page for Southwest Airlines
Fetching page for LVS (redirect disambiguation)
Fetching page for LYB (formerly LyondellBasell, using search term instead)
Fetching page for LyondellBasell
Fetching page for LYV (formerly Live Nation Entertainment, using search term instead)
Fetching page for Live Nation Entertainment
Fetching page for M&T Bank
Fetching page for MTB (formerly M&T Bank, using search term instead)
Fetching page for MAA (formerly Mid-America Apartment Communities, using search term instead)
Fetching page for Mid-America Apartment Communities
Fetching page for MRO (formerly Marathon Oil, using search term instead)
Fetching page for Marathon Oil
Fetching page for MPC (formerly Marathon Petroleum, using search term instead)
Fetching page for Marathon Petroleum
Fetching page for MKTX (formerly MarketAxess, using search term instead)
Fetching page for MarketAxess
Fetching page for Marsh & McLennan
Fetching page for MLM (formerly Martin Marietta, using search term instead)
Fetching page for Martin Marietta
Fetching page for MAR (formerly Marriott International, using search term instead)
Fetching page for Marriott International
Fetching page for Masco
Fetching page for MA (formerly Mastercard, using search term instead)
Fetching page for Mastercard
Fetching page for MAT (formerly Mattel, using search term instead)
Fetching page for Mattel
Fetching page for Mattel 6-Pack
Fetching page for MKC (formerly McCormick, using search term instead)
Fetching page for McCormick
Fetching page for MCD (formerly McDonald's, using search term instead)
Fetching page for McDonald's
Fetching page for MCK (formerly McKesson, using search term instead)
Fetching page for McKesson
Fetching page for MDT (formerly Medtronic, using search term instead)
Fetching page for Medtronic
Fetching page for MRK (formerly Merck, using search term instead)
Fetching page for Merck
Fetching page for Merck KGaA
Fetching page for MET (formerly MetLife, using search term instead)
Fetching page for MetLife
Fetching page for MTD (formerly Mettler-Toledo, using search term instead)
Fetching page for Mettler-Toledo
Fetching page for MGM (formerly MGM Resorts, using search term instead)
Fetching page for MGM Resorts
Fetching page for MCHP (formerly Microchip Technology, using search term instead)
Fetching page for Microchip Technology
Fetching page for MU (formerly Micron Technology, using search term instead)
Fetching page for Micron Technology
Fetching page for MSFT (formerly Microsoft, using search term instead)
Fetching page for Microsoft
Fetching page for MAA (redirect disambiguation)
Fetching page for MSI (formerly Motorola Solutions, using search term instead)
Fetching page for Motorola Solutions
Fetching page for MSCI (formerly MSCI Inc., using search term instead)
Fetching page for MSCI Inc.
Fetching page for MDLZ (formerly Mondelēz International, using search term instead)
Fetching page for Mondelēz International
Fetching page for MNST (formerly Monster Beverage, using search term instead)
Fetching page for Monster Beverage
Fetching page for MCO (formerly Moody's Corporation, using search term instead)
Fetching page for Moody's Corporation
Fetching page for MS (formerly Morgan Stanley, using search term instead)
Fetching page for Morgan Stanley
Fetching page for MOS (formerly The Mosaic Company, using search term instead)
Fetching page for The Mosaic Company
Fetching page for MSI (redirect disambiguation)
Fetching page for MSCI (redirect disambiguation)
Fetching page for MTD (redirect disambiguation)
Fetching page for MUFG (formerly Mitsubishi UFJ Financial Group, using search term instead)
Fetching page for Mitsubishi UFJ Financial Group
Fetching page for MXIM (formerly Maxim Integrated, using search term instead)
Fetching page for Maxim Integrated
Fetching page for MYL (formerly Mylan, using search term instead)
Fetching page for Mylan
Fetching page for Mylan 6-Pack
Fetching page for NDAQ (formerly Nasdaq, using search term instead)
Fetching page for Nasdaq
Fetching page for NOV (formerly National Oilwell Varco, using search term instead)
Fetching page for National Oilwell Varco
Fetching page for NAVI (formerly Navient, using search term instead)
Fetching page for Navient
Fetching page for NCR (formerly NCR Corporation, using search term instead)
Fetching page for NCR Corporation
Fetching page for NKE (formerly Nike, Inc., using search term instead)
Fetching page for Nike, Inc.
Fetching page for NLSN (formerly Nielsen Holdings, using search term instead)
Fetching page for Nielsen Holdings
Fetching page for NI (formerly NiSource, using search term instead)
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Fetching page for NBL (formerly Noble Energy, using search term instead)
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Fetching page for NSC (formerly Norfolk Southern Corporation, using search term instead)
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Fetching page for NTRS (formerly Northern Trust, using search term instead)
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Fetching page for NOC (formerly Northrop Grumman, using search term instead)
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Fetching page for NCLH (formerly Norwegian Cruise Line Holdings, using search term instead)
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Fetching page for NRG (formerly NRG Energy, using search term instead)
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Fetching page for NUE (formerly Nucor, using search term instead)
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Fetching page for NVDA (formerly Nvidia, using search term instead)
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Fetching page for NVR (formerly NVR, Inc., using search term instead)
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Fetching page for ORLY (formerly O'Reilly Auto Parts, using search term instead)
Fetching page for O'Reilly Auto Parts
Fetching page for OXY (formerly Occidental Petroleum, using search term instead)
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Fetching page for ODFL (formerly Old Dominion Freight Line, using search term instead)
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Fetching page for OMC (formerly Omnicom Group, using search term instead)
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Fetching page for OKE (formerly ONEOK, using search term instead)
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Fetching page for ORCL (formerly Oracle Corporation, using search term instead)
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Fetching page for OTIS (formerly Otis Worldwide, using search term instead)
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Fetching page for PCAR (formerly PACCAR, using search term instead)
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Fetching page for PKG (formerly Packaging Corporation of America, using search term instead)
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Fetching page for PANW (formerly Palo Alto Networks, using search term instead)
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Fetching page for PARA (formerly ViacomCBS, using search term instead)
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Fetching page for PAYC (formerly Paycom, using search term instead)
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Fetching page for PBCT (formerly People's United Financial, using search term instead)
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Fetching page for PXD (formerly Pioneer Natural Resources, using search term instead)
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Fetching page for PNC (formerly PNC Financial Services, using search term instead)
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Fetching page for PPG (formerly PPG Industries, using search term instead)
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Fetching page for PPL (formerly PPL Corporation, using search term instead)
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Fetching page for PFG (formerly Principal Financial Group, using search term instead)
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Fetching page for PGR (formerly Progressive Corporation, using search term instead)
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Fetching page for United Airlines Holdings
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