In [1]:
```
! pip install yfinance
```

```
Requirement already satisfied: yfinance in c:\users\albee\anaconda3\lib\site-packa
ges (0.2.38)
Requirement already satisfied: pandas>=1.3.0 in c:\users\albee\anaconda3\lib\site-
packages (from yfinance) (2.1.4)
Requirement already satisfied: numpy>=1.16.5 in c:\users\albee\anaconda3\lib\site-
packages (from yfinance) (1.26.4)
Requirement already satisfied: requests>=2.31 in c:\users\albee\anaconda3\lib\site
-packages (from yfinance) (2.31.0)
Requirement already satisfied: multitasking>=0.0.7 in c:\users\albee\anaconda3\lib
\site-packages (from yfinance) (0.0.11)
Requirement already satisfied: lxml>=4.9.1 in c:\users\albee\anaconda3\lib\site-pa
ckages (from yfinance) (4.9.3)
Requirement already satisfied: appdirs>=1.4.4 in c:\users\albee\anaconda3\lib\site
-packages (from yfinance) (1.4.4)
Requirement already satisfied: pytz>=2022.5 in c:\users\albee\anaconda3\lib\site-p
ackages (from yfinance) (2023.3.post1)
Requirement already satisfied: frozendict>=2.3.4 in c:\users\albee\anaconda3\lib\s
ite-packages (from yfinance) (2.4.2)
Requirement already satisfied: peewee>=3.16.2 in c:\users\albee\anaconda3\lib\site
-packages (from yfinance) (3.17.3)
Requirement already satisfied: beautifulsoup4>=4.11.1 in c:\users\albee\anaconda3
\lib\site-packages (from yfinance) (4.12.2)
Requirement already satisfied: html5lib>=1.1 in c:\users\albee\anaconda3\lib\site-
packages (from yfinance) (1.1)
Requirement already satisfied: soupsieve>1.2 in c:\users\albee\anaconda3\lib\site-
packages (from beautifulsoup4>=4.11.1->yfinance) (2.5)
Requirement already satisfied: six>=1.9 in c:\users\albee\anaconda3\lib\site-packa
ges (from html5lib>=1.1->yfinance) (1.16.0)
Requirement already satisfied: webencodings in c:\users\albee\anaconda3\lib\site-p
ackages (from html5lib>=1.1->yfinance) (0.5.1)
Requirement already satisfied: python-dateutil>=2.8.2 in c:\users\albee\anaconda3
\lib\site-packages (from pandas>=1.3.0->yfinance) (2.8.2)
Requirement already satisfied: tzdata>=2022.1 in c:\users\albee\anaconda3\lib\site
-packages (from pandas>=1.3.0->yfinance) (2023.3)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\albee\anaconda
3\lib\site-packages (from requests>=2.31->yfinance) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\albee\anaconda3\lib\site-p
ackages (from requests>=2.31->yfinance) (3.4)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\albee\anaconda3\lib
\site-packages (from requests>=2.31->yfinance) (2.0.7)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\albee\anaconda3\lib
\site-packages (from requests>=2.31->yfinance) (2024.2.2)
```

In [3]:
```
import yfinance as yf
import pandas as pd
```

In [4]:
```
start_date = '1990-01-01'
end_date = '2023-03-03'
```

In [5]:
```
ticker = "AMZN"
```

In [6]:
```
data = yf.download(ticker, period = '10y', interval = '1d')
```

```
[**********100%%**********]  1 of 1 completed
```

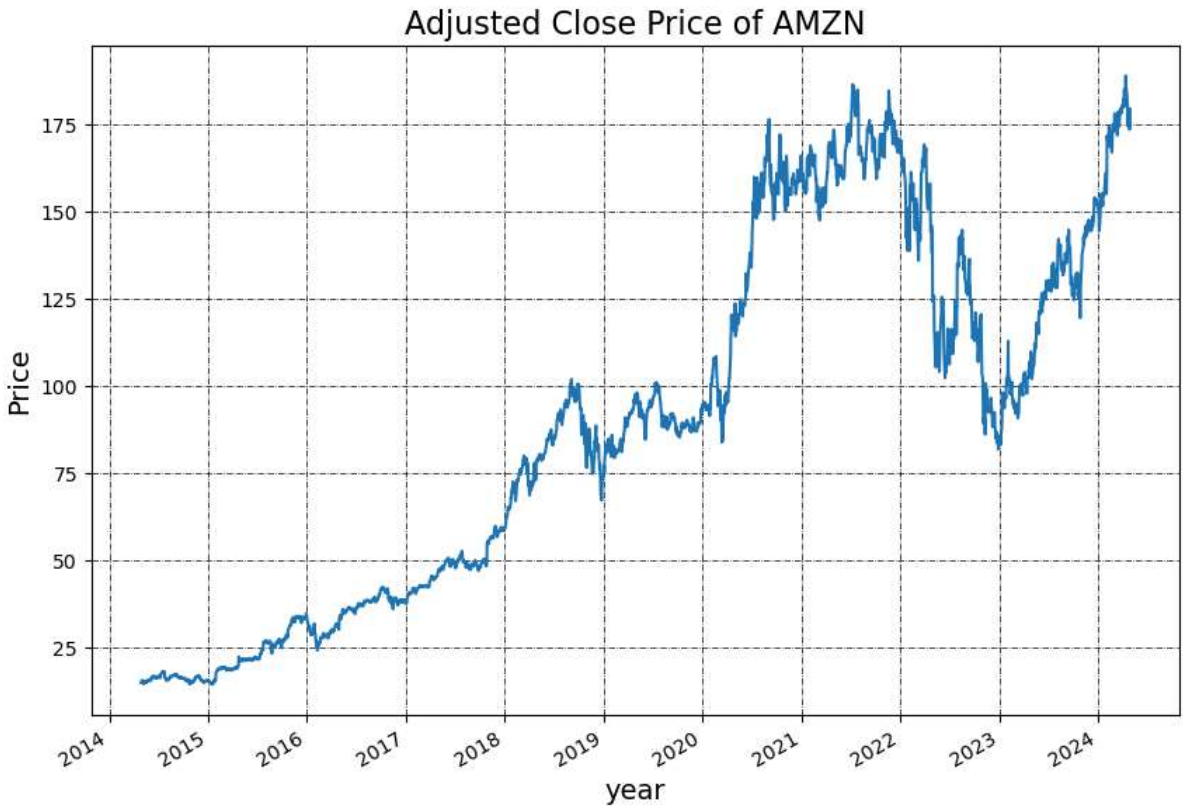
In [7]:
```
data.head()
```

Out[7]:

Date	Open	High	Low	Close	Adj Close	Volume
2014-04-28	15.2000	15.2195	14.4000	14.8290	14.8290	289596000
2014-04-29	14.8220	15.0920	14.5225	15.0190	15.0190	130186000
2014-04-30	14.9050	15.2280	14.9050	15.2065	15.2065	81772000
2014-05-01	15.2065	15.5240	15.2000	15.3945	15.3945	86572000
2014-05-02	15.5210	15.6645	15.2155	15.4005	15.4005	79902000

In [8]:
```
import matplotlib.pyplot as plt
get_ipython().run_line_magic('matplotlib', 'inline')
```

In [9]:
```
data['Adj Close'].plot(figsize = (10,7))
plt.title("Adjusted Close Price of %s" % ticker, fontsize = 16)
plt.ylabel("Price", fontsize = 14)
plt.xlabel("year", fontsize = 14)
plt.grid(which = 'major', color = 'k', linestyle = '-.', linewidth = 0.5)
plt.show()
```



In [10]:
```
import yfinance as yf
import pandas as pd
import matplotlib.pyplot as plt
get_ipython().run_line_magic('matplotlib', 'inline')
```

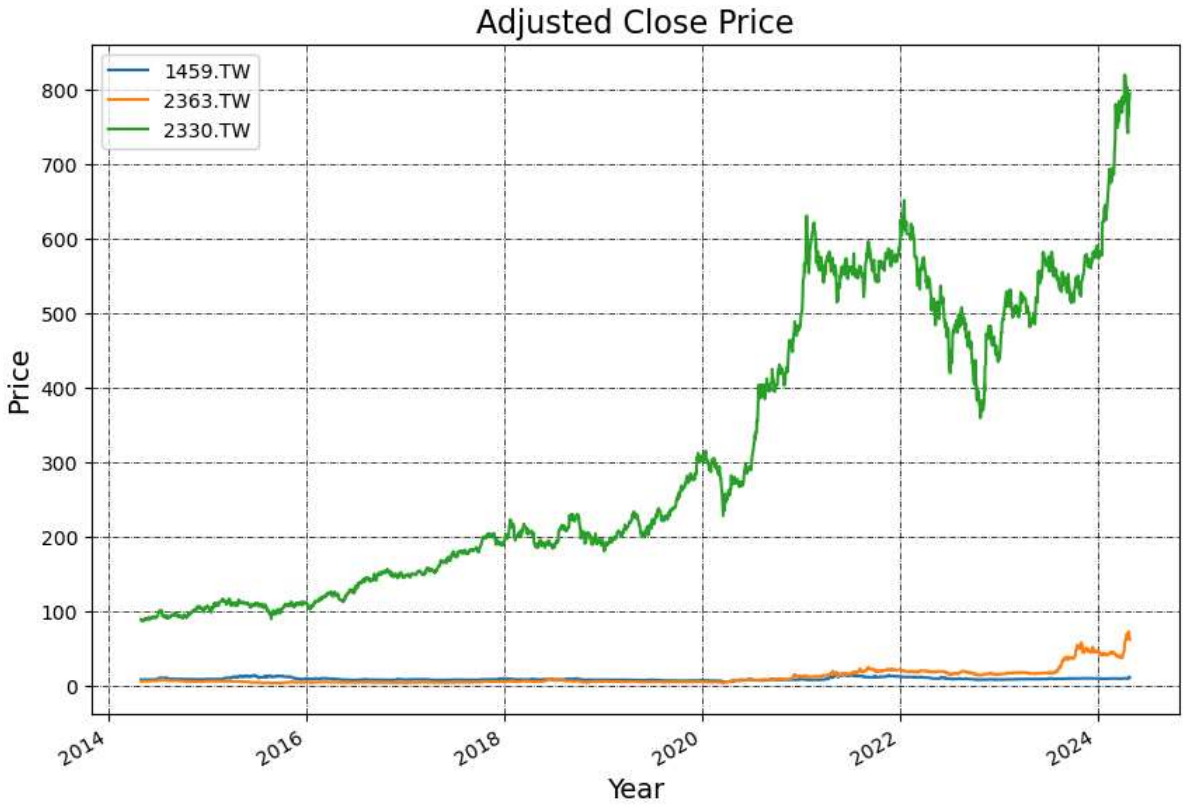
In [11]:
```
tickers_list = ["1459.TW", "2363.TW", "2330.TW"]
```

In [12]:
```
data = pd.DataFrame(columns = tickers_list)
```

In [13]:
```
for ticker in tickers_list:
    data[ticker] = yf.download(ticker, period = "10y", interval = "1d")['Adj Close'
```

```
[**********100%%**********]  1 of 1 completed
[**********100%%**********]  1 of 1 completed
[**********100%%**********]  1 of 1 completed
```

In [14]:
```
data.plot(figsize = (10, 7))
plt.legend()
plt.title("Adjusted Close Price", fontsize = 16)
plt.ylabel("Price", fontsize = 14)
plt.xlabel("Year", fontsize = 14)
plt.grid(which = 'major', color = 'k', linestyle = '-.', linewidth = 0.5)
plt.show()
```



In [ ]:
```
```