In [1]:
```
import yfinance as yf
import pandas as pd
```

In [ ]:
```
symbols = ["BNB-USD", "ETH-USD", "BTC-USD"]
```

In [ ]:
```
data = yf.download(symbols, period="7d", interval="1d")
data
```

In [ ]:
```
data = data.reset_index()
data
```

In [ ]:
```
data.columns = ['_'.join(col).strip() if isinstance(col, tuple) else col for col in data.columns]
data
```

In [ ]:
```
# Rename columns for clarity
data = data.rename(columns={
    "Date": "date",
    "Open_BTC-USD": "open_btc",
    "High_BTC-USD": "high_btc",
    "Low_BTC-USD": "low_btc",
    "Close_BTC-USD": "close_btc",
    "Adj Close_BTC-USD": "adj_close_btc",
    "Volume_BTC-USD": "volume_btc",
    "Open_ETH-USD": "open_eth",
    "High_ETH-USD": "high_eth",
    "Low_ETH-USD": "low_eth",
    "Close_ETH-USD": "close_eth",
    "Adj Close_ETH-USD": "adj_close_eth",
    "Volume_ETH-USD": "volume_eth",
    "Open_BNB-USD": "open_bnb",
    "High_BNB-USD": "high_bnb",
    "Low_BNB-USD": "low_bnb",
    "Close_BNB-USD": "close_bnb",
    "Adj Close_BNB-USD": "adj_close_bnb",
    "Volume_BNB-USD": "volume_bnb"
})
data
```

In [ ]:
```
data.loc[3:5, 'close_btc'] = float("nan")
data
```

In [ ]:
```
data.loc[2, 'volume_eth'] = 1e12
data
```

In [ ]:
```
data.loc[1, 'close_bnb'] = 0
data
```

In [ ]:
```
data.to_csv('crypto_market_data.csv', index=False)
print('Data saved to scv succesfully')
```

In [ ]:
```
df = pd.read_csv('crypto_market_data.csv')
df
```

In [ ]:
```
df.shape
```

In [ ]:
```
df.info()
```

In [ ]:
```
df.head()
```

In [ ]:
```
df.tail()
```

In [ ]:
```
df.describe()
```

In [ ]:
```
df.dtypes
```

In [ ]:
```
mean = df[['close_btc', 'close_eth']].mean()
mean
```