

Nested Loops: Loop Within a Loop

Outer Loop: for ticker in ["AAPL", "MSFT", "GOOGL"]

Inner Loop: for day in range(5)

Process each ticker for each day

Total iterations: 3 tickers × 5 days = 15

Nested Loop Example: Price Matrix

```
tickers = ["AAPL", "MSFT", "GOOGL"]
```

```
days = ["Mon", "Tue", "Wed", "Thu", "Fri"]
```

```
for ticker in tickers:                # Outer loop (3 iterations)
```

```
    print(f"\n{ticker} prices:")
```

```
    for day in days:                  # Inner loop (5 iterations)
```

```
        price = get_price(ticker, day) # Called 15 times total
```

```
        print(f"  {day}: ${price:.2f}")
```

```
# Output:
```

```
# AAPL prices:
```

```
#   Mon: $150.50
```

```
#   Tue: $151.25
```

```
#   ...
```