Solutions to **Python Overview Exercise 2**

1. Open a new Colab notebook.
2. Create a list called stock_ticker that will contain the following elements: XYZ1, XYZ2, XYZ3, XYZ4:

```
stock_ticker = ['XYZ1', 'XYZ2', 'XYZ3', 'XYZ4']
```

3. Create a list called stock_price that will contain the following elements: 34.12, 56.87, 12.45, 78.23:

```
stock price = [34.12, 56.87, 12.45, 78.23]
```

4. Create an empty dictionary called stock_prices using curly brackets, {}:

```
stock prices = {}
```

5. Create a new item in stock_prices with the key as stock_ticker and the value as all the items from the stock_price list:

```
stock_prices['stock_ticker'] = stock_ticker

stock prices['stock price'] = stock price
```

6. Display the content of stock_prices using the print() function:

```
print(stock prices)
```

7. Retrieve the value of the first item in the stock_ticker key using the index operator:

```
print(stock prices['stock ticker'][0])
```

8. Change the value of the second item in the stock_price key to 45.67 using the index operator:

```
stock_prices['stock_price'][1] = 45.67
```

9. Add an item called XYZ5 into the stock_ticker list using the .append() method:

```
stock_ticker.append('XYZ5')
```

10. Add an item called 99.99 into the stock_price list using the .append() method:

```
stock_price.append(99.99)
```

11. Display the content of stock_prices using the print() function:

```
print(stock_prices)
```

You have successfully created a dictionary containing the stock prices for a hypothetical company named XYZ Inc. You learned how to create and manipulate Python lists and dictionaries.