M03 Assignment 2 – Bubble Sort – Carissa Perry

Python Code

Step 1: Prompt for number of products

```
num_products = int(input('Enter the number of products: '))
```

Step 2: Collect product prices

```
prices = []
for i in range(num_products):
    price = float(input(f'Enter price for product {i + 1}: '))
    prices.append(price)
```

Step 3: Implement Bubble Sort

```
original_prices = prices.copy()
for i in range(len(prices)):
    for j in range(0, len(prices) - i - 1):
        if prices[j] > prices[j + 1]:
            prices[j], prices[j + 1] = prices[j + 1], prices[j]
```

Step 4: Display Results

```
print('Original Prices:', original_prices)
print('Sorted Prices:', prices)
```

Screenshot of Output