

A store sells two different types of 2TB hard drives: Western Digital (\$90) and Seagate (\$95). The store offers a 5% discount if ordering 5 or more drives

Write a C++ program that processes orders. Use constant declarations for all constant values. The program should process orders based on the user's input. Prompt the user to enter an order in the format: **<w or s> followed by the quantity**

The program should then ask the user if they live in Ohio. If the answer is yes, then a 7% tax should be added to the order.

Display the invoice details on the screen. You do not have to worry about checking for errors. Enter the data in lowercase letters.

Sample Interaction:

Enter a hard drive type (w, s) followed by the quantity: **w 5**

Do you live in Ohio (yes/no)? **yes**

Hard Drives Invoice

```
-----
Drive brand: Western Digital
Quantity: 5
Price: $90.00
Ohio Resident: Yes
Total price: $450.00
-----
Discount: $22.50
Subtotal: $427.50
Taxes: $29.93
=====
Total: $457.43
=====
```

Enter a hard drive type (w, s) followed by the quantity: **w 4**

Do you live in Ohio (yes/no)? **no**

Hard Drives Invoice

```
-----
Drive brand: Western Digital
Quantity: 4
Price: $90.00
Ohio Resident: No
Total price: $360.00
-----
Discount: $0.00
Subtotal: $360.00
Taxes: $0.00
=====
Total: $360.00
=====
```

Enter a hard drive type (w, s) followed by the quantity: **s 5**

Do you live in Ohio (yes/no)? **no**

Hard Drives Invoice

Drive brand: **Seagate**

Quantity: **5**

Price: **\$95.00**

Ohio Resident: **No**

Total price: **\$475.00**

Discount: **\$23.75**

Subtotal: **\$451.25**

Taxes: **\$0.00**

=====

Total: **\$451.25**

=====

Enter a hard drive type (w, s) followed by the quantity: **s 2**

Do you live in Ohio (yes/no)? **yes**

Hard Drives Invoice

Drive brand: **Seagate**

Quantity: **2**

Price: **\$95.00**

Ohio Resident: **Yes**

Total price: **\$190.00**

Discount: **\$0.00**

Subtotal: **\$190.00**

Taxes: **\$13.30**

=====

Total: **\$203.30**

=====

Grading:

Programs that contain syntax errors will earn zero points.

Programs that use global variables other than constants will earn zero points.

Your grade will be determined using the following criteria:

- Correctness (10 points)
- User interface (3 points)
- Clarity of the output (3 points)
- Style & Documentation (4 point)

Follow the coding style outline on GitHub:

<https://github.com/nasseef/cs2400/blob/master/docs/coding-style.md>