A store sells two different types of monitors: Samsung ($190) and ViewSonic ($170). The store offers a 5% discount if ordering 3 or more monitors

Write a C++ program that processes orders. The program should process orders based on the user's input. Prompt the user to enter an order in the format: **<s or v> 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. Your program must check for invalid input (wrong monitor type, quantity 0 or below). Terminate the program if either input values are invalid.

All dollar amounts must be shown with a dollar sign and two decimal places.
Use constant declarations for all constant values.

Sample Interaction:

```
Enter a monitor type (s, v) followed by the quantity: N 2
Error: Invalid monitor type

Enter a monitor type (s, v) followed by the quantity: N -2
Error: Invalid number of monitors

Enter a monitor type (s, v) followed by the quantity: s 0
Error: Invalid number of monitors

Enter a monitor type (s, v) followed by the quantity: s 2
Do you live in Ohio (yes/no)? yes

Monitors Invoice
------------------------------
  Monitor brand: Samsung
       Quantity: 2
          Price: $190.00
  Ohio Resident: Yes
    Total price: $380.00
------------------------------
       Discount: $0.0
       Subtotal: $380.00
          Taxes: $26.60
==============================
          Total: $406.60
==============================
```

```
Enter a monitor type (s, v) followed by the quantity: v 4
Do you live in Ohio (yes/no)? no

Monitors Invoice
--------------------------------
  Monitor brand: ViewSonic
       Quantity: 4
          Price: $170.00
  Ohio Resident: No
    Total price: $680.00
-----------------------------
       Discount: $34.00
       Subtotal: $646.00
          Taxes: $0.00
=============================
          Total: $646.00
=============================

Enter a monitor type (s, v) followed by the quantity: v 4
Do you live in Ohio (yes/no)? yes

Monitors Invoice
--------------------------------
  Monitor brand: ViewSonic
       Quantity: 4
          Price: $170.00
  Ohio Resident: Yes
    Total price: $680.00
-----------------------------
       Discount: $34.00
       Subtotal: $646.00
          Taxes: $45.22
=============================
          Total: $691.22
=============================
```

Grading:

Programs that contain syntax errors will earn zero points.
Programs that use global variables other than constants will earn zero points.
Programs that use any library that was not discussed in class will earn zero points.

Your grade will be determined using the following criteria:

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

Follow the coding style outline on GitHub:

https://github.com/nasseef/cs/blob/master/docs/coding-style.md