

Problem 1:

Create a C program that takes the age of a user as input and then displays whether the user is eligible to vote or not. In this program, eligibility is defined as being 18 years of age or older. Use a switch statement to perform this check.

- Your program should follow these steps:
- Prompt the user to enter their age.
- Use a switch statement to check if the age is greater than or equal to 18.
- If the age is 18 or older, display a message indicating that the user is eligible to vote.
- If the age is less than 18, display a message indicating that the user is not eligible to vote.

Problem 2:

COFFEE SHOP

You are tasked with creating a simple menu-driven C program for a coffee shop. The program should display a menu with different coffee options and allow the customer to select their choice. After the customer selects, they should be prompted to enter the quantity of the chosen coffee. The program should then calculate and display the total cost of the chosen coffee.

Here is the menu:

1. Espresso - \$2.50
2. Latte - \$3.00
3. Cappuccino - \$3.50
4. Mocha - \$4.00
5. Americano - \$2.25

Your program should ask the user to enter the number corresponding to their coffee choice and the quantity. Then, it should display the total cost of their selection. Use a switch statement to implement the menu and a separate function to calculate the bill.

OUTPUT

Welcome to the Coffee Shop!

Please select your coffee by entering the number:

- 1. Espresso**
- 2. Latte**
- 3. Cappuccino**
- 4. Mocha**
- 5. Americano**

Enter your choice (1-5): 2

Enter the quantity: 2

You have selected 2 Latte. That will be \$6.00, please.

Enjoy your coffee!

