**While loop**

**1. Bank Account Withdrawal**

**Scenario:**  
Simulate an ATM system where the user can withdraw money as long as their account balance is sufficient. The system should:

* Prompt the user to enter a withdrawal amount
* Deduct the amount if sufficient funds are available.
* Exit the loop if the user enters 0 or their balance is 0.

**Requirements:**

* Use a while loop to manage withdrawals.
* Validate that the withdrawal amount is positive and does not exceed the balance.

**Sample Output:**

Your current balance is $1000.

Enter amount to withdraw (or 0 to exit): 200

Withdrawal successful. Remaining balance: $800

Your current balance is $800.

Enter amount to withdraw (or 0 to exit): 1000

Insufficient funds. Please enter a smaller amount.

Your current balance is $800.

Enter amount to withdraw (or 0 to exit): 0

Thank you for using the ATM.

**2. User Login Attempt**

**Scenario:** A system allows a user three attempts to log in with the correct password. If the user fails all attempts, they are locked out. Also validate that password must be at least of 8 digit

**Do while loop**

1.Write a C# program that prompts the user to enter a positive integer. The program should repeatedly ask the user for input until a valid positive integer is entered. If the user enters a non-positive integer (zero or negative), display a message asking them to enter a valid positive integer.

2.Write a C# program that: Allows the user to choose from a menu of coffee options. Asks for the quantity for the selected coffee. Calculates the cost of each coffee based on its price and quantity. Keeps a running total of the bill. Uses a do-while loop to ask if the customer wants to order another coffee. Displays the total bill and a thank-you message when the customer decides to exit.

Add optional toppings (like milk, sugar, or whipped cream).

Would you like to add toppings? 1. Milk (20) 2. Sugar (10) 3. Whipped Cream (25) 4. No toppings

**3. Pizza Ordering System**  
Write a JavaScript program that:

* Displays a menu of pizza options to the user (e.g., Margherita, Veggie, Pepperoni).
* Asks the user to choose a pizza and enter the desired quantity.
* Offers optional add-ons (like Extra Cheese, Olives, Jalapeños, or No Add-ons).
* Calculates the total cost based on the pizza price, quantity, and selected add-ons.
* Uses a do...while loop to repeatedly ask if the user wants to order another pizza.
* Displays the final total bill and a thank-you message when the user is done ordering.

**Pizza Menu (for reference):**

1. Margherita - ₹200
2. Veggie - ₹250
3. Pepperoni - ₹300

**Add-ons Menu:**

1. Extra Cheese (+₹40)
2. Olives (+₹30)
3. Jalapenos (+₹35)
4. No Add-ons

**4. Taxi Booking System**

**Scenario:**  
Write a JavaScript program that:

* Displays a list of taxi types and their per-kilometer rates.
* Prompts the user to select a taxi type and enter the number of kilometers to travel.
* Offers optional services like Luggage Handling, AC, or Priority Pickup.
* Calculates the fare based on the selected taxi, distance, and chosen services.
* Uses a do...while loop to allow the user to book more rides.
* Displays the total fare and a thank-you message when the user finishes.

**Taxi Types and Rates (₹ per km):**

1. Mini - ₹10/km
2. Sedan - ₹15/km
3. SUV - ₹20/km

**Optional Services:**

1. Luggage Handling - ₹30
2. AC - ₹50
3. Priority Pickup - ₹70
4. No Additional Service

**Requirements:**

* Validate distance (positive number)
* Show clear prompts and cost per ride
* Use do...while to allow multiple bookings
* Show total amount due at the end