Write a MATLAB program that simulates an ATM menu with the following options:

1. **Deposit** – Ask the user for an amount and add it to the account balance.

2. **Withdraw** – Ask the user for an amount and deduct it from the balance **only if sufficient funds are available**.

3. **Balance Inquiry** – Display the current balance.

4. **Exit** – Terminate the program with a thank you message.

Instructions :

1. **Initialize** a variable balance with a starting value (e.g., 1000).

2. Use a while true loop to **continuously display the menu** and allow the user to perform operations.

3. Use a switch-case structure to handle the user's selection.

4. **Validate user inputs**:

   o   Amounts for deposit and withdrawal should be positive.

   o   Withdrawals should not exceed the available balance.

5. When the user selects option 4 (Exit), **exit the loop** and display a farewell message.

6. Format your output using fprintf() for a cleaner display.