1. Java Program: Are you above 18 years old?

Sample Output:

```
Please enter your age: 21
You are eligible to vote.
```

2. Java Program: Print Multiplication Table Using `for` Loop

Sample Output:

```
Enter a number to print its multiplication table: 7
Multiplication table for 7:
7 x 1 = 7
7 x 2 = 14
7 x 3 = 21
7 x 4 = 28
7 x 5 = 35
7 x 6 = 42
7 x 7 = 49
7 x 8 = 56
7 x 9 = 63
7 x 10 = 70
```

3. Java Program: Character, String, and Boolean Input Example

Sample Output:

```
Enter a single character: A
Enter your name: Alice
Do you like programming? (true/false): true

--- User Input Summary ---
Character entered: A
Name entered: Alice
Likes programming: true
Great! Keep coding, Alice!
```

Task: Simple Banking Operations using `switch` Case

Objective:
Create a Java program that simulates simple banking operations like checking balance, depositing money, and withdrawing money using a `switch` case statement.

✅ Requirements:

- Use the `Scanner` class to accept user input.

- Use `switch` case to perform operations based on the user's menu choice.

- Maintain a balance variable that gets updated based on operations.

- Handle invalid inputs gracefully.

📌 Sample Output:

```
Welcome to ABC Bank
1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Exit
Enter your choice: 2
Enter amount to deposit: 5000
Deposit successful!

Enter your choice: 1
Your current balance is: ₹5000

Enter your choice: 3
Enter amount to withdraw: 2000
Withdrawal successful!

Enter your choice: 1
Your current balance is: ₹3000

Enter your choice: 4
Thank you for using ABC Bank!
```

✅ 1. String Concatenation

🧩 Scenario: Welcome Message Generator

Task: Create a program that takes user input for first name and last name and displays a welcome message using string concatenation.

✅ 2. StringBuilder

🧩 Scenario: Efficient String Reversal

Task: Write a program to reverse a user-entered sentence using `StringBuilder`.

✅ 3. String API

🧩 Scenario: Email Validation System

Task: Use `String` methods to check if the entered email is valid (contains `@` and ends with `.com`).

✅ 4. Date

🧩 Scenario: Display Current Date

Task: Create a program that displays the current system date in `dd-MM-yyyy` format.

✅ 5. Time

🧩 Scenario: Show Current Time of Login

Task: Display the current login time in `HH:mm:ss` format.

✅ 6. Numeric Object

🧩 Scenario: Process Student Scores

Task: Convert string input to numeric types and perform calculations (average, max, etc.).

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