1. Arithmetic Operators

Scenario: Calculate the total price of items in a shopping cart.
Sample Input:

Item 1 Price: 20

Item 2 Price: 15

Item 3 Price: 10
Output:

Total Price: 45 (20 + 15 + 10)

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2. Relational Operators

Scenario: Check if a user is eligible for a discount based on their age.
Sample Input:

Age: 17
Output:

Is Eligible for Discount: false (17 is not greater than or equal to 18)

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3. Logical Operators

Scenario: Determine if a user can access a restricted area based on their membership and age.
Sample Input:

Is Member: true

Age: 20
Output:

Can Access: true

---

4. Arithmetic Operators (Multiplication)

Scenario: Calculate the area of a rectangle.
Sample Input:

Length: 5

Width: 10
Output:

Area: 50 (5 * 10)

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5. Relational Operators (Equality Check)

Scenario: Check if a user's input matches the required password.
Sample Input:

User Input: "password123"

Correct Password: "password123"
Output:

Is Password Correct: true (input matches)

---

6. Logical Operators (OR)

Scenario: Check if a student has passed based on grades in two subjects.
Sample Input:

Math Grade: 60

English Grade: 55
Output:

Has Passed: true

---

7. Arithmetic Operators (Division)

Scenario: Calculate the average score of a student.
Sample Input:

Score 1: 85

Score 2: 90

Score 3: 95
Output:

Average Score: 90 ((85 + 90 + 95) / 3)

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8. Relational Operators (Less Than)

Scenario: Check if a number is less than a certain threshold.
Sample Input:

Number: 45

Threshold: 50
Output:

Is Less Than Threshold: true

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9. Logical Operators (NOT)

Scenario: Check if a user is not logged in.
Sample Input:

Is Logged In: false
Output:

Is Not Logged In: true

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10. Arithmetic Operators (Modulus)

Scenario: Determine if a number is even or odd.
Sample Input:

Number: 10

Output:

Is Even: true

Is Odd: false

Note: Use only operators,don't overthink it. Don't use if-else statements; just provide the logic.