1. Add two integers.

Input two integers and print their sum.

2. Find remainder.

Input two integers and print the remainder when the first is divided by the second.

3.Use increment/decrement.

Show difference between i++ and ++i with an example.

4.Check even or odd.

Use % operator to check if number is even or odd.

5.Simple average.

Input three integers and print their average (use / carefully).

6.Relational operators demo.

Input two numbers and print whether first > second.

7.Swap numbers using temporary variable.

Swap two numbers using assignment operator.

8.Use compound assignment.

Read number a, then do: a += 10; and print.

9.Find largest of two numbers.

Use > and conditional statement.

10.Find smallest of three numbers.

Use < and conditional statements.

11. Bitwise AND, OR, XOR.

Input two integers, print their bitwise AND, OR, and XOR.

12. Left shift and right shift.

Input integer x and shift left by 2, right by 2, print results.

13. Use ternary operator.

Find largest of two numbers using ternary.

14. Logical AND / OR demo.

Input two numbers, print if both are positive (using &&).

15. Toggle nth bit.

Input number and bit position, toggle that bit using ^.

16. Count set bits in a number.

Use bitwise AND and loop.

17. Check power of 2.

Use n & (n-1) trick.

18. Check if character is uppercase.

Input character, check if 'A' <= c <= 'Z'.

19. Multiply by 8 using shift.

Input number n, print n << 3.

20. Divide by 4 using shift.

Input number n, print n >> 2.

21. Evaluate expression carefully.

a = 2, b = 3, c = 4; print value of a + b \* c / b - c % a.

22. Swap numbers without temporary variable.

Using + and - or XOR.

23. Use comma operator.

int a = (1, 2, 3); print a.

24. Bitwise NOT.

Input number and print its bitwise NOT.

25. Turn off kth bit.

Use n & ~(1 << (k-1)).

26. Set kth bit.

Use n | (1 << (k-1)).

27. Check if number is negative.

Use sign bit or comparison.

28. Use multiple operators in one line.

Input number, increment, double it, subtract 5, print result.

29. Operator precedence puzzle.

What is result of 5 + 2 << 1 & 3.

30. Calculate absolute difference without using abs().

if (a > b) diff = a - b; else diff = b - a;