



LEVEL 1: Very Easy (Confidence Building)

1. Positive or Negative

- Take a number from the user.
- Print whether it is **positive**, **negative**, or **zero**.

2. Even or Odd

- Take a number using **prompt**.
- Check whether the number is even or odd.

3. Greater Number

- Take two numbers from the user.
- Print which number is greater.

4. Valid Number Check

- Take input from user.
- If input is **NaN**, print "**Invalid number**", otherwise print "**Valid number**".

5. Age Eligibility

- Take age as input.
 - If $\text{age} \geq 18$, print "**Eligible to vote**" else "**Not eligible**".
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LEVEL 2: Easy–Medium (Logic Practice)

6. Positive Even or Odd

- Take a number.
- If number is positive → check even/odd
- Else print "**Negative number**".

7. Calculator (2 Numbers)

- Take two numbers.
- Print:
 - Addition
 - Subtraction
 - Multiplication
 - Division

8. Password Check

- Take a password input.
- If password is empty → "Password required"
- Else → "Password accepted"

9. Truthy / Falsy Detector

- Take input from user.
- Check whether the value is truthy or falsy and print the result.

10. Marks Result

- Take marks from user.
- If marks ≥ 35 → "Pass"
- Else → "Fail"



LEVEL 3: Medium (Real Thinking Required)

11. Biggest of Three Numbers

- Take three numbers from user.

- Print the largest number.

12. Number Sign & Type

- Take a number.
- Print:
 - Positive / Negative
 - Even / Odd

13. Simple Login Check

- Take username and password.
- If both are not empty → "Login successful"
- Else → "Invalid credentials"

14. Swap Two Numbers

- Take two numbers.
- Swap them and print updated values.

15. Zero Handling

- Take two numbers.
 - If second number is zero, prevent division and print error.
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LEVEL 4: Scope & Variable Logic (var / let / const)

16. Global vs Local

- Declare a variable outside a function.
- Modify it inside a function.
- Print value before and after function call.

17. Block Scope Test

- Declare a variable using `let` inside `if`.
- Try accessing it outside.
- Fix the error logically.

18. Const Rule Practice

- Declare a `const` variable.
- Try changing its value.
- Handle the issue correctly.

19. Multiple Conditions

- Take age.
- If $\text{age} < 13 \rightarrow \text{Child}$
- $13\text{--}19 \rightarrow \text{Teen}$
- $20+ \rightarrow \text{Adult}$

20. Input Type Conversion

- Take two inputs without `parseInt`.
 - Show wrong output.
 - Fix it using proper conversion.
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LEVEL 5: Mini Logical Challenges

21. Electricity Bill Logic

- Units $< 100 \rightarrow ₹1/\text{unit}$
- $100\text{--}200 \rightarrow ₹2/\text{unit}$
- Above 200 $\rightarrow ₹3/\text{unit}$

22. Simple Grading System

- 90+ → A
- 75–89 → B
- 50–74 → C
- Below 50 → Fail

23. Number Comparison with Zero

- Take a number.
- Print:
 - Zero
 - Positive Even
 - Positive Odd
 - Negative

24. Two Inputs Validation

- Take two inputs.
- If any input is empty → print error.

25. Mini Menu Program

- Ask user to enter:
 - 1 for Addition
 - 2 for Subtraction
- Perform operation based on choice.