

● Very Basic If–Else Problems

1. Check whether a number is **positive or negative**.
 2. Check whether a number is **even or odd**.
 3. Check whether a person is **eligible to vote** ($\text{age} \geq 18$).
 4. Check whether a number is **divisible by 5**.
 5. Check whether a number is **zero or non-zero**.
 6. Check whether a number is **greater than 100**.
 7. Check whether a year is a **leap year**.
 8. Check whether a number is **multiple of both 3 and 7**.
 9. Check whether two numbers are **equal or not**.
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● Else-If Ladder Problems (Most Important)

11. Find the **largest of three numbers**.
12. Check **grade** based on marks:
 - $\geq 90 \rightarrow A$
 - $\geq 75 \rightarrow B$
 - $\geq 60 \rightarrow C$
 - $< 60 \rightarrow \text{Fail}$
13. Display **day name** based on day number (1–7).
14. Display **month name** based on month number (1–12).
15. Calculate **electricity bill**:
 - $\text{Units} \leq 100 \rightarrow ₹2/\text{unit}$
 - $\text{Units} \leq 200 \rightarrow ₹3/\text{unit}$
 - $\text{Units} > 200 \rightarrow ₹5/\text{unit}$
16. Check **salary bonus**:
 - $\text{Experience} \geq 5 \text{ years} \rightarrow 10\% \text{ bonus}$
 - $\text{Else} \rightarrow \text{No bonus}$
17. Check **triangle type** (Equilateral, Isosceles, Scalene).