

Basic IF–ELSE Questions

1. Write a program to check whether a number is **positive, negative, or zero**.
 2. Given two numbers, write a program to find **which number is greater**.
 3. Write a program to check whether a number is **even or odd**.
 4. Take student marks as input and check whether the student is **pass or fail** (pass marks = 33).
 5. Take age as input and check whether a person is **eligible to vote** (age ≥ 18).
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IF–ELSE with Conditions

6. Write a program to check whether a number is **divisible by both 2 and 5**.
 7. Write a program to check whether a given character is a **vowel or consonant**.
 8. Take salary as input:
 - If salary $\geq 50,000 \rightarrow$ print **High Income**
 - Else \rightarrow print **Low Income**
 9. Take temperature as input:
 - If temperature $> 30 \rightarrow$ print **Hot**
 - If temperature between 15 and 30 \rightarrow print **Normal**
 - If temperature $< 15 \rightarrow$ print **Cold**
 10. Take cost price (CP) and selling price (SP) as input and check whether there is a **profit or loss**.
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IF–ELSE Ladder / Logical Questions

11. Given three numbers, write a program to find the **largest number**.
12. Write a program to check whether a number is:
 - Positive
 - Negative
 - Zero
13. Take electricity units as input and calculate the **total bill**:
 - Units $\leq 100 \rightarrow$ ₹2 per unit
 - Units 101–200 \rightarrow ₹3 per unit
 - Units $> 200 \rightarrow$ ₹5 per unit
14. Take marks as input and print the **grade**:
 - Marks $\geq 90 \rightarrow$ A

- Marks $\geq 75 \rightarrow$ B
- Marks $\geq 60 \rightarrow$ C
- Marks $< 60 \rightarrow$ Fail

15. Take username and password as input:

- If both are correct \rightarrow **Login Successful**
- Else \rightarrow **Invalid Credentials**