**Interview-Style Questions Based on Conditional Statements**

### 1. Check Even or Odd

**Question:** Determine whether a number is even or odd. **Explanation:** A number is even if it is divisible by 2. Otherwise, it’s odd. - **Input:** Number = 6 - **Output:** Even number

### 2. Divisible by 5 but Not by 10

**Question:** Check if a number is divisible by 5 but not by 10. **Explanation:** Use modulo (%) to check if the number % 5 == 0 and number % 10 != 0. - **Input:** Number = 25 - **Output:** Satisfy

### 3. Biggest Among Two Numbers

**Question:** Find the biggest number among two. **Explanation:** Use comparison operators (>) to check which number is greater. - **Input:** A = 4, B = 7 - **Output:** Biggest is: 7

### 4. Smallest Among Two Numbers

**Question:** Find the smallest number among two. **Explanation:** Use comparison operators (<) to find the smaller value. - **Input:** A = 4, B = 7 - **Output:** Smallest is: 4

### 5. Divisible by 2, 3, and 6

**Question:** Check if a number is divisible by 2, 3, and 6. **Explanation:** If a number is divisible by both 2 and 3, it is also divisible by 6. - **Input:** Number = 18 - **Output:** Satisfy

### 6. Voting Eligibility

**Question:** Check if a person is eligible to vote (age >= 18). **Explanation:** A person is eligible to vote if their age is 18 or above. - **Input:** Age = 19 - **Output:** Eligible to vote

### 7. Student Pass/Fail Based on All Subjects >= 35

**Question:** Check if a student passed all subjects (maths, physics, chemistry). **Explanation:** Student passes only if marks in all subjects are 35 or more. - **Input:** Maths = 40, Physics = 36, Chemistry = 30 - **Output:** Fail

### 8. Student Pass if Passed Any One Subject (>= 35)

**Question:** Check if the student passed at least one subject. **Explanation:** Use logical OR to check if any one subject has marks >= 35. - **Input:** Maths = 20, Physics = 38, Chemistry = 25 - **Output:** Pass

### 9. Student Pass if Passed Any Two Subjects

**Question:** Check if the student passed any two out of three subjects. **Explanation:** Use a counter or logical conditions to verify two subjects >= 35. - **Input:** Maths = 40, Physics = 20, Chemistry = 36 - **Output:** Pass

### 10. Biggest Among Three Numbers

**Question:** Find the biggest number among three. **Explanation:** Compare each pair of numbers using if-else conditions. - **Input:** A = 7, B = 4, C = 9 - **Output:** Biggest is: 9

### 11. Smallest Among Three Numbers

**Question:** Find the smallest number among three. **Explanation:** Use comparison logic to determine the minimum value. - **Input:** A = 7, B = 4, C = 9 - **Output:** Smallest is: 4

### 12. Perfect Square or Not

**Question:** Check if a number is a perfect square. **Explanation:** A number is a perfect square if the square of its square root equals the number. - **Input:** Number = 49 - **Output:** Perfect square

### 13. Cars Required for Members (Max 5 per car)

**Question:** Calculate how many cars are needed for a given number of people. **Explanation:** Divide total people by 5 and round up using ceiling logic. - **Input:** Members = 17 - **Output:** Cars needed = 4

### 14. Second Biggest Among Three Numbers

**Question:** Find the second largest number among three inputs. **Explanation:** Use sorting or nested conditions to find the second largest value. - **Input:** A = 10, B = 25, C = 18 - **Output:** Second biggest: 18

### 15. Leap Year or Not

**Question:** Check if a given year is a leap year. **Explanation:** A year is a leap year if it is divisible by 4, and (not divisible by 100 unless divisible by 400). - **Input:** Year = 2024 - **Output:** Leap year