

# **Nested If Practice Questions**

## **Easy (5 Questions)**

1. Input a number and check if it is positive. If yes, check if it's even.
2. Input your age. If you're above 18, check if you're eligible for a driving license (age > 18 and less than 80).
3. Input a number and check if it is divisible by 2. If yes, check if it's also divisible by 4.
4. Input a temperature. If it's more than 30 degreesC, check if it's more than 40 degreesC and print 'Too Hot'.
5. Input a character. If it's an alphabet, check if it's a vowel or consonant.

## **Medium (10 Questions)**

6. Input three numbers. If the first is greater than second, check if it's also greater than third.
7. Input your marks. If you passed (marks  $\geq 40$ ), check if you scored distinction ( $\geq 75$ ).
8. Input a number. If it's positive, check if it's odd or even, else print 'Negative'.
9. Input two numbers and an operator (+, -, \*, /). Use nested if to perform the operation.
10. Input a year. Check if it's divisible by 4. If yes, check if it's a leap year using leap year rules.
11. Input your gender and age. If gender is female and age  $> 50$ , print 'Senior Citizen Women'.
12. Input a day number (1-7). If it's 6 or 7, check if it's a holiday. Else print working day.
13. Input a number and check if it lies between 10 and 100. If yes, check if it is multiple of 5.
14. Input a student's score in 3 subjects. If all  $> 40$ , check if average  $> 60$ , then print 'Above Average'.
15. Input username and password. If both match the stored ones, check if the user is an admin or not.

## **Hard (15 Questions)**

16. Input 3 angles. If their sum is 180, check if it's a right-angled triangle.
17. Input a number. If it's between 100 and 999, check if the sum of digits is even.

18. Input time in hours (24-hour format). If between 0-11, check if before 6 and print 'Very Early Morning'.
19. Input a number and check if it's prime. If yes, check if it's also a palindrome.
20. Input three sides of a triangle. If valid triangle, check if it's equilateral, isosceles, or scalene.
21. Take a number. If it's divisible by both 3 and 5, check if it's also less than 50.
22. Input a string. If it starts with a capital letter, check if it ends with a punctuation.
23. Input a date (dd, mm, yyyy). Check if it's a valid date, then check if it's a weekend.
24. Input income and age. If age < 60, check if income > 5L for tax. If > 60, check if income > 3L.
25. Input a password. If it's more than 8 chars, check if it contains a digit and a special character.
26. Input a sentence. If it has more than 5 words, check if any word is repeated.
27. Input a list of 5 numbers. If all are positive, check if they are in ascending order.
28. Input time (hour, minute). If valid time, check if it's AM or PM, and whether it's lunch/dinner time.
29. Input 4 subject marks. If none < 35, and avg > 50, check if any subject has full marks.
30. Input a year. If it's a leap year, check if the year is a century year.