

1. Age Check: Write an `if-else` statement to check if a person is 18 years old or older. Print "Adult" if true, otherwise "Not an adult."
2. Number Sign: Write an `if-else` statement to check if a number is positive. Print "Positive" if true, otherwise "Not positive."
3. Even or Odd: Write an `if-else` statement to check if a number is even. Print "Even" if true, otherwise "Odd."
4. Vowel or Consonant: Write an `if-else` statement to check if a given character is a vowel. Print "Vowel" if true, otherwise "Consonant."
5. Check Zero: Write an `if-else` statement to check if a number is zero. Print "Zero" if true, otherwise "Non-zero."
6. Multiple of Five: Write an `if-else` statement to check if a number is a multiple of 5. Print "Multiple of 5" if true, otherwise "Not a multiple of 5."
7. Greater Than Ten: Write an `if-else` statement to check if a number is greater than 10. Print "Greater than 10" if true, otherwise "10 or less."
8. Check Equality: Write an `if-else` statement to check if two numbers are equal. Print "Equal" if true, otherwise "Not equal."
9. String Length Check: Write an `if-else` statement to check if the length of a string is greater than 5. Print "Long string" if true, otherwise "Short string."
10. Check Uppercase: Write an `if-else` statement to check if a character is uppercase. Print "Uppercase" if true, otherwise "Lowercase."
11. Check Weekend: Write an `if-else` statement to check if a day of the week is Saturday. Print "Weekend" if true, otherwise "Not weekend."
12. Age Category: Write an `if-else` statement to check if a person is a child (under 12). Print "Child" if true, otherwise "Not a child."

13. Temperature Check: Write an `if-else` statement to check if the temperature is above 30 degrees. Print "Hot" if true, otherwise "Cold."

14. Number Range: Write an `if-else` statement to check if a number is between 1 and 100. Print "In range" if true, otherwise "Out of range."

15. Grade Check: Write an `if-else` statement to check if a student's score is greater than or equal to 50. Print "Pass" if true, otherwise "Fail."

16. Divisibility Check: Write an `if-else` statement to check if a number is divisible by 3. Print "Divisible by 3" if true, otherwise "Not divisible by 3."

17. Morning or Afternoon: Write an `if-else` statement to check if the time is before 12 PM. Print "Morning" if true, otherwise "Afternoon."

18. Teenager Check: Write an `if-else` statement to check if a person's age is between 13 and 19. Print "Teenager" if true, otherwise "Not a teenager."

19. String Content Check: Write an `if-else` statement to check if a string contains the letter "a". Print "Contains 'a'" if true, otherwise "Does not contain 'a'."

20. Leap Year Check: Write an `if-else` statement to check if a given year is a leap year. Print "Leap year" if true, otherwise "Not a leap year."

21. Check Negative: Write an `if-else` statement to check if a number is negative. Print "Negative" if true, otherwise "Positive or zero."

22. Password Match: Write an `if-else` statement to check if a user's input matches the password "1234". Print "Access granted" if true, otherwise "Access denied."

23. Greater Number: Write an `if-else` statement to check if the first of two numbers is greater. Print "First is greater" if true, otherwise "Second is greater or equal."

24. Prime Check: Write an `if-else` statement to check if a number is greater than 1 and divisible only by 1 and itself. Print "Prime" if true, otherwise "Not prime."

25. Eligible for Discount: Write an `if-else` statement to check if a customer's age is 65 or older. Print "Eligible for senior discount" if true, otherwise "Not eligible."

26. String Comparison: Write an `if-else` statement to check if two strings are exactly the same. Print "Match" if true, otherwise "Do not match."

27. Multiples of Two: Write an `if-else` statement to check if a number is a multiple of 2. Print "Multiple of 2" if true, otherwise "Not a multiple of 2."

28. Driving License Check: Write an `if-else` statement to check if a person is old enough to get a driving license (age 18 or older). Print "Eligible" if true, otherwise "Not eligible."

29. Letter Case Check: Write an `if-else` statement to check if a character is lowercase. Print "Lowercase" if true, otherwise "Uppercase."

30. Number Check: Write an `if-else` statement to check if a number is a single-digit number. Print "Single-digit" if true, otherwise "More than one digit."

31. Divisibility by 10: Write an `if-else` statement to check if a number is divisible by 10. Print "Divisible by 10" if true, otherwise "Not divisible by 10."

32. Check Month: Write an `if-else` statement to check if a month number corresponds to a month with 31 days. Print "31 days" if true, otherwise "Not 31 days."

33. Password Length Check: Write an `if-else` statement to check if a password is at least 8 characters long. Print "Valid password" if true, otherwise "Password too short."

34. Check for Zero: Write an `if-else` statement to check if a number is zero. Print "Zero" if true, otherwise "Not zero."

35. Grade A Check: Write an `if-else` statement to check if a student's score is 90 or above. Print "Grade A" if true, otherwise "Less than Grade A."

36. Empty String Check: Write an `if-else` statement to check if a string is empty. Print "Empty" if true, otherwise "Not empty."

37. Multiple of 4: Write an `if-else` statement to check if a number is a multiple of 4. Print "Multiple of 4" if true, otherwise "Not a multiple of 4."

38. Day of the Week: Write an `if-else` statement to check if a given day is Sunday. Print "Sunday" if true, otherwise "Not Sunday."

39. String Starts with A: Write an `if-else` statement to check if a string starts with the letter "A". Print "Starts with A" if true, otherwise "Does not start with A."

40. Check for Space: Write an `if-else` statement to check if a string contains a space. Print "Contains space" if true, otherwise "No space."

41. String Length Even: Write an `if-else` statement to check if the length of a string is an even number. Print "Even length" if true, otherwise "Odd length."

42. Temperature Conversion: Write an `if-else` statement to check if a temperature in Celsius is above 100 degrees. Print "Above boiling point" if true, otherwise "Below boiling point."

43. Work Hours Check: Write an `if-else` statement to check if the current time is during work hours (9 AM to 5 PM). Print "Working hours" if true, otherwise "Off hours."

44. BMI Check: Write an `if-else` statement to check if a person's Body Mass Index (BMI) is in the healthy range (18.5 to 24.9). Print "Healthy" if true, otherwise "Not healthy."

45. Check Odd Number: Write an `if-else` statement to check if a number is odd. Print "Odd" if true, otherwise "Even."

46. Check for Digit: Write an `if-else` statement to check if a character is a digit (0-9). Print "Digit" if true, otherwise "Not a digit."

47. Check for Exclamation: Write an `if-else` statement to check if a string ends with an exclamation mark (!). Print "Exclamation mark" if true, otherwise "No exclamation mark."

48. Day Check: Write an `if-else` statement to check if today is a weekday (Monday to Friday). Print "Weekday" if true, otherwise "Weekend."

49. Check Square Number: Write an `if-else` statement to check if a number is a perfect square. Print "Perfect square" if true, otherwise "Not a perfect square."

50. Temperature Range Check: Write an `if-else` statement to check if a temperature is between 15 and 25 degrees Celsius. Print "Comfortable" if true, otherwise "Uncomfortable."