

Conditional Statement Assignment Questions

1. Check if a given number is positive.
2. Check if a given number is even.
3. Check if a given number is a multiple of 5.
4. Check if a given string is empty.
5. Check if a given year is a leap year.
6. Check if a given character is a vowel.
7. Check if a given number is between 1 and 10 (inclusive).
8. Check if a given string is a palindrome.
9. Check if a given number is a prime number.
10. Check if a given string is a pangram.
11. Check if a given list is empty.
12. Check if a given number is divisible by both 2 and 3.
13. Check if a given string contains only digits.
14. Check if a given number is a perfect square.
15. Check if a given string starts with a capital letter.
16. Check if a given list contains a specific element.

17. Check if a given number is negative or zero.
18. Check if a given string is alphanumeric.
19. Check if a given year is a leap year and divisible by 100.
20. Check if a given list is sorted in ascending order.
21. Check if a given string is a palindrome ignoring spaces.
22. Check if a given number is a Fibonacci number.
23. Check if a given string is a valid email address.
24. Check if a given number is a perfect cube.
25. Check if a given string is a valid URL.
26. Check if a given year is a leap year or divisible by 400.
27. Check if a given string contains only uppercase letters.
28. Check if a given list is sorted in descending order.
29. Check if a given number is a power of 2.
30. Check if a given string is a valid password (meets certain criteria).
31. Check if a given number is a multiple of both 3 and 4.
32. Check if a given string contains only lowercase letters.
33. Check if a given list contains duplicate elements.
34. Check if a given number is divisible by either 5 or 7.
35. Check if a given string is a valid phone number.

36. Check if a given number is a multiple of 10 and less than 100.
37. Check if a given string is a valid date in the format "DD/MM/YYYY".
38. Check if a given number is a perfect number.
39. Check if a given string is a valid social security number.
40. Check if a given number is a prime number and less than 100.
41. Check if a given string is a valid IP address.
42. Check if a given number is divisible by 2, 3, and 5.
43. Check if a given string is a valid username (meets certain criteria).
44. Check if a given number is a palindrome.
45. Check if a given string is a valid credit card number.
46. Check if a given number is a multiple of 4 and not divisible by 6.
47. Check if a given string is a valid time in the format "HH:MM".
48. Check if a given number is a perfect number and less than 1000.
49. Check if a given string is a valid ISBN-10 number.
50. Check if a given number is divisible by the sum of its digits.