100-Day Coding Challenge - Questions List

Day 10: Create a program to swap values of two variables.

Day 13: Write a program to calculate the sum of last two digits of a given number.

Day 14: Write a program to convert a given number to binary and hexadecimal.

Day 15: Write a program to check whether a given year is a leap year or not.

Day 16: Write a program to calculate sum of all the even digits and odd digits in a number.

Day 17: Write a program to find whether a number is even or odd.

Day 18: Write a program to find whether a number is prime or composite.

Day 19: Use for loops to create a pattern.

Day 20: Use for loops to print a right-angled triangular pattern.

Day 21: Write a program to check whether a given number is a palindrome.

Day 22: Write a program to calculate the sum of all the digits of a given number.

Day 23: Create a program to calculate roots of a quadratic equation.

Day 24: Write a program to print a hollow square with asterisks (*).

Day 25: Write a program to print a triangular pattern of numbers.

Day 26: Write a program to print a triangular pattern of numbers using nested loops.

Day 27: Write a program to find the greatest digit of a given number.

Day 28: Write a program to find whether a given number is automorphic.

Day 28 (extra): Write a program to calculate the sum of two numbers using functions.

Day 29: Write a program to calculate exponents of two given numbers.

Day 30: Write a program to generate the Fibonacci series.

Day 31: Write a program to print squares of natural numbers from 1 to n.

Day 32: Write a program to calculate area and perimeter of a regular hexagon.

Day 33: Write a program to check whether a number is a perfect square.

Day 34: Write a program to calculate the sum of all even numbers between two given numbers.

Day 36: Write a program to check whether a given number is a valid mobile number (10 digits, starts with 7, 8, or 9).

Day 37: Write a program to check whether a number is a strong number.

Day 38: Write a program to check whether a number is a Harshad (Niven) number.

Day 39: Write a program to check whether a number is a duck number.

Day 40: Write a program to check whether a number is a neon number.

Day 41: Write a program to convert a decimal to octal using recursion.

Day 42: Write a program to calculate factorial of a given number using recursion.

Day 43: Write a program to check whether a number is a happy number.

Day 44: Write a program to calculate GCD of two numbers.

Day 45: Write a program to check whether a number is an Armstrong number (using pointers).

Day 46: Write a program to check whether a number is a Disarium number.

Day 47: Write a program to check whether a number is a spy number.

Day 48: Write a program to check whether digits of a number form an arithmetic sequence.

Day 49: Write a program to check whether a number is a magic number.

Day 50: Write a program to check whether a number is a perfect number.

Day 51: Check whether a number is a palindrome using recursion.

Day 52: Write a program to keep summing the digits of a number until only one digit remains.

Day 53: Write a program to reverse a string using strrev().

Day 54: Write a program to count number of digits, vowels, consonants, and spaces in a string.