Python Task 2 : Operators and conditions

Exercise 1: Basic Conditions

Problem: Write a program that asks the user to input their age and then prints whether they are a minor (under 18), an adult (18-64), or a senior (65 and older).

Exercise 2: Comparison Operators

Problem: Write a program that takes two numbers as input from the user and prints which one is greater or if they are equal.

Exercise 3: Logical Operators

Problem: Write a program that checks if a number input by the user is positive, even, and greater than 10.

Exercise 4: Nested Conditions

Problem: Write a program that asks for the user's score on a test and prints the grade: 'A' (90-100), 'B' (80-89), 'C' (70-79), 'D' (60-69), or 'F' (below 60).

Exercise 5: Arithmetic Operators

Problem: Write a program that asks the user to input two numbers and then prints the sum, difference, product, and quotient of those numbers.

Exercise 6: Using `elif`

Problem: Write a program that asks for the day of the week (1-7, where 1 is Monday and 7 is Sunday) and prints whether it is a weekday or the weekend.

Exercise 7: Modulus Operator

Problem: Write a program that takes a number as input and prints whether it is odd or even.

Exercise 8: Multiple Conditions

Problem: Write a program that asks the user to input a year and determines whether it is a leap year or not.

Exercise 9: Combining Input and Conditions

Problem: Write a program that asks the user to input a number and then prints whether the number is positive, negative, or zero.

Exercise 10: Basic Calculator

Problem: Write a program that takes two numbers and an operator (+, -, *, /) as input and performs the corresponding operation.