**Practice Programs**

**Problem 1:** Write a program that prints the following:

* "Hello, World!"
* "Programming is fun!"

**Problem 2:** Write a program to calculate and print the sum, difference, product, and division of two numbers, a = 8 and b = 4.

**Problem 3:** Write a program that takes a user's name as input and prints it in uppercase, lowercase, and title case (capitalize the first letter of each word).

**Problem 4:** Write a program that takes an integer input from the user and checks if the number is positive, negative, or zero. Print the result accordingly.

**Problem 5:** Write a program to print the first 10 natural numbers using a for loop.

**Problem 6:** Write a program that uses a while loop to calculate the sum of numbers from 1 to n (where n is provided by the user).

**Problem 7:** Write a function named is\_even that takes an integer as input and returns True if the number is even, otherwise False.

**Problem 8:** Write a function named factorial that takes an integer n and returns its factorial. (Factorial of n is the product of all positive integers less than or equal to n).

**Problem 9:** Write a program that prints the multiplication table from 1 to n, where n is provided by the user. Use nested loops to achieve this.

**Problem 10:** Write a function named reverse\_list that takes a list as an argument and returns a new list with the elements in reverse order.

**Problem 11:** Write a function named find\_min\_max that takes a list of numbers and returns the smallest and largest elements in that list.

**Problem 12:** Write a program that takes a list of numbers and creates a new list with the square of each number using list comprehension.