**Exercise**

**1. Counting Up:**

- Create a program that uses a while loop to count from 1 to 5. Print each number as it counts.

- Hint: Start with a variable set to 1, use a while loop to continue until the variable reaches 5, and increment the variable in each iteration.\*

**2. Counting Down:**

- Write a program that uses a while loop to count down from 10 to 1. Print each number in the countdown.

-Hint: Begin with a variable set to 10, use a while loop until the variable reaches 1, and decrement the variable in each iteration.\*

**3. Even Numbers:**

- Write a program that uses a while loop to print all even numbers between 1 and 10.

- Hint: Start with a variable set to 2, use a while loop until the variable exceeds 10, and increment the variable by 2 in each iteration.\*

1. **Multiplication Table:**

write a program using a while loop to display the multiplication table of a number entered by the user. For example, if the user enters 3, the program should print the multiplication table for 3 (3 x 1, 3 x 2, ..., 3 x 10).