**Assignment-3**

**Loops**

**Question:** Create a Java program to print the multiplication table for a number entered by the user.

1. Prompt the user to enter an integer.
2. Use a for loop to display the multiplication table from 1 to 10 for the entered number.
3. Each line should display the format: number \* i = result
4. Write the Java code with comments explaining the structure and purpose of the for loop, as well as how the loop variable is used in each iteration.