1. Using the following code snippet and the file Assign3Q3.java, use a for loop to calculate the factorial of the integer stored in the variable currentValue. The factorial of a number is explained [here](https://en.wikipedia.org/wiki/Factorial).

ANSWER

public class Assign303 {

public static void main(String args[]) {

int currentValue = 5;

System.out.println("The number is: " + currentValue);

// Using a for loop to calculate the factorial

long factorial = 1;

for (int i = 1; i <= currentValue; i++) {

factorial \*= i;

}

System.out.println("The factorial of " + currentValue + " is: " + factorial);

}

}