Exercises - Basics 1.1

- 1. Write a program that gets numbers from the user until they enter zero then tells the user the average of all the numbers, the largest number entered, the smallest number entered. **Save as BasicEx1.java.**
- 2. Write a program to find the sum of a number of terms of an infinite series $1 + x + x^{**}2 + x^{**}3 + x^{**}4 + ...$ where the user enters the number of terms to be used and what x is. **Save as BasicEx2.java.**
- 3. Ask the user for an integer between 1 and 50 and output all of the factors of that integer. **Save as BasicEx3.java.**
- 4. Write a program that computes the factorial of a given number. Factorials are used in statistics to determine the probability of evens. The "!" is used as the factorial symbol. Some Examples:

Write a program that asks the user for a number and computes the factorial of that number. **Save as BasicEx5.java.**