**Factors, Factors, Factors**

**Program Description:** There are many applications that depend upon being able to find the factors of a number. For example, how many factors are there for the number 12--not counting 1 or 12.

The factors, of 12 are: 2, 3, 4, and 6. There are 4 factors. We do not count 1 or 12 since every number is exactly divisible by 1 and itself.

**Requirements:**

* Write a program that finds the factors and number of factors for an integer.
* You must use **only arrays** to solve this problem
* Factors should be sorted from largest to smallest
* Continuously accept input until a zero is entered. Do not process the zero.

**Sample Output:**

**Enter a number: 12**

**There are 4 factors for the number 12: 2 3 4 6**

**Enter a number: 25**

**There are 1 factors for the number 25: 5**

**Enter a number: 100**

**There are 7 factors for the number 100: 2 4 5 10 20 25 50**

**Enter a number: 13**

**There are 0 factors for the number 13:**

**Enter a number: 0**