1. Write a program that prints out the integer 1 to 1000, ten on a line.

   Here are the first three lines as they should be printed:

   ```
   1 2 3 4 5 6 7 8 9 10
   11 12 13 14 15 16 17 18 19 20
   21 22 23 24 25 26 27 28 29 30
   ```

   and so on, until 1000.

2. Write a program that has the user try to guess a secret number. The program responds to the user's guesses with "You Win", "Try Again", "Hotter" or "Colder".

   To get input, just assume that there is a provided method `getInteger()` that returns the value of the integer typed by the user.

   The secret number is in the program as a static final int `HIDDEN_NUMBER`. The rules for the program's responses are:

   (a) On the first guess, if the user is right, print "You Win" and exit the program; if the user is wrong, print "Try Again" and the program continues.

   (b) On subsequent guesses, if the user is right, print "You Win" and exit the program: if the user is wrong, print "Hotter" if the current guess is closer to the hidden number than the previous guess, "Colder" if the guess if farther, and "Try "Again" if it is the same distance.

   Here is an example, where the hidden number is 13:

   ```
   Guess the hidden number.
   > 19
   Try Again
   > 2
   Colder
   > 10
   Warmer
   > 15
   Colder
   > 13
   You Win
   ```