String Problems

1. Given a string name, e.g. "Bob", return a greeting of the form "Hello Bob!". Read in the name from the keyboard.
2. Given two strings, a and b, return the result of putting them together in the order abba, e.g. "Hi" and "Bye" returns "HiByeByeHi".  Read in the two Strings from the keyboard.
3. The web is built with HTML strings like "<i>Yay</i>" which draws Yay as italic text. In this example, the "i" tag makes <i> and </i> which surround the word "Yay". Given tag and word strings, create the HTML string with tags around the word, e.g. "<i>Yay</i>".  Read in the tag and the word. If the enter the tag h1 and the words Hello Boss! Then you would get <h1>Hello Boss</h1>
4. Given an "out" string length 4, such as "<<>>", and a word, return a new string where the word is in the middle of the out string, e.g. "<<word>>". Note: use str.substring(i, j) to extract the String starting at index i and going up to but not including index j. Read in the out and the word from the keyboard.
5. Given a string, create and display a new string made of 3 copies of the last 2 chars of the original string. The string length will be at least 2. Hello would display lololo.
6. Given a string, return the string made of its first two chars, so the String "Hello" yields "He". If the string is shorter than length 2, return whatever there is, so "X" yields "X", and the empty string "" yields the empty string "". Note that str.length() returns the length of a String.
7. Given a string of even length, return the first half. So the string "WooHoo" yields "Woo".
8. Given a string, return a version without the first and last char, so "Hello" yields "ell". The string length will be at least 2.
9. Given 2 strings, a and b, return a string of the form short+long+short, with the shorter string on the outside and the longer string on the inside. The strings will not be the same length, but they may be empty (length 0).
10. Given 2 strings, return their concatenation, except omit the first char of each. The strings will be at least length 1.
11. Given a string, return a "rotated left 2" version where the first 2 chars are moved to the end. The string length will be at least 2. Hello will give lloHe and java will give vaja.
12. Given a string, return a "rotated right 2" version where the last 2 chars are moved to the start. The string length will be at least 2. Hello will yield loHel.