Exercise 1: Display the largest and smallest numbers for both float and double

exponential notation.

Exercise 2: Start with a number that has a binary one in the most significant position (hint: Use a hexadecimal constant). Using the signed right-shift operator, right shift it all the way through all of its binary positions, each time displaying the result using Integer.toBinaryString( ).

Exercise 3: Start with a number that is all binary ones. Left shift it, then use the

unsigned right-shift operator to right shift through all of its binary positions, each time

displaying the result using Integer.toBinaryString( ).

Exercise 4: Write a method that displays char values in binary form. Demonstrate

it using several different characters.

Exercise 5: Write a method that takes two String arguments and uses all the

boolean comparisons to compare the two Strings and print the results. For the == and !=,

also perform the equals( ) test. In main( ), call your method with some different String

objects.