CSE110 Review Questions
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Arrays

Question 1   What are the indices for the first and last positions of any array?

Question 2   Immediately after instantiating a new array of primitives (ints, doubles, etc.), what fills the array? What about an array of objects?

Question 3   What happens when you try to access an array element past the end of the array?

Question 4   Instantiate three arrays called x, y, and z of type int, String, and BackAccount (respectively), all of size 10.

Question 5   Write a for-loop to double each element in an array x of type int.

Question 6   Write code to store the largest number in an int array x into a variable called max.

Question 7   Write code to count how many numbers in the array are strictly larger than 4, and store that total in a variable called total.

Question 8   Write code to print out every other element in an array separated by tabs.

Question 9   Write code to shift each number one place to the right (Note: there will be 2 copies of the 1st element when the code finishes).

Question 10   Write code to print the contents of an array in reverse order, one element for each line.

Question 11   Use the following array x to answer the following questions:

4   8   5   1   6   3   2

a) What value is given by x[1]?
b) What value is given by x[6]?
c) What value is given by x[7]?
d) What value is given by x.length?

Question 12   Write a method called append that appends the two arrays passed as arguments and returns an array of type int as the result. For example, if the first array argument was {1, 2, 3}, and the second was {4, 5, 6, 7}, append returns {1, 2, 3, 4, 5, 6, 7}.

Question 13   Write a method called findMin that returns the smallest element in an array that is passed as an argument. For example, if the array was {4, 7, 9, 12, 8, 1, 5}, the method would return 1.