Review

- Review Project 2 Solution
- Review for Exam 2

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• Project 2 was due just before class today

Review for Exam 2

• Practice exam with solutions is on-line

Review for Exam 2

String (String str)

Constructor: creates a new string object with the same characters as str.

char charAt (int index)

Returns the character at the specified index.

int compareTo (String str)

Returns an integer indicating if this string is lexically before (a negative return value), equal to (a zero return value), or lexically after (a positive return value), the string str.

String concat (String str)

Returns a new string consisting of this string concatenated with str.

boolean equals (String str)

Returns true if this string contains the same characters as str (including case) and false otherwise.

boolean equalsIgnoreCase (String str)

Returns true if this string contains the same characters as str (without regard to case) and false otherwise.

int length ()

Returns the number of characters in this string.

String replace (char oldChar, char newChar)

Returns a new string that is identical with this string except that every occurrence of oldChar is replaced by newChar.

String substring (int offset, int endIndex)

Returns a new string that is a subset of this string starting at index offset and extending through endIndex-1.

String toLowerCase ()

Returns a new string identical to this string except all uppercase letters are converted to their lowercase equivalent.

String toUpperCase ()

Returns a new string identical to this string except all lowercase letters are converted to their uppercase equivalent.

Review for Exam 2

	ArrayList <e>() Constructor: creates an initially empty list.</e>
	boolean add (E obj) Inserts the specified object to the end of this list.
	void add (int index, E obj) Inserts the specified object into this list at the specified index.
	void clear() Removes all elements from this list.
	E remove (int index) Removes the element at the specified index in this list and returns it.
	E get (int index) Returns the object at the specified index in this list without removing it.
	int indexOf (Object obj) Returns the index of the first occurrence of the specified object.
	boolean contains (Object obj) Returns true if this list contains the specified object.
	boolean isEmpty() Returns true if this list contains no elements.
	int size() Returns the number of elements in this list.
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FIGURE 5.8 Some methods of the ArrayList<E> class.

Note: E is the data type / class name being contained, e.g. String