8.1) int[] scores = new int[30];

char grades[] = {'a', 'b', 'c', 'd', 'f'};

// The other declarations didn’t include brackets, the new operator, or the int operator.

8.2) 1) a program that holds a list of people

2) a program that compares values

3) a program that stores a list

4) a program that stores variables

5) really any program that includes a large list of items that all need to be used in a separate instance

8.3) It is stored in a slot that is calculated and designated by the operating system.

8.4) int[] numbers = {3, 2, 3, 6, 9, 10, 12, 32, 3, 12, 6};

for(int count = 0; count<=numbers.length-1; count++)

System.out.println(numbers[count]);

8.7) int[] names = {5, 4, 3};

for(int count = 2; count>=0; count--)

System.out.println(names[count]);