

CS 180 Problem Solving and OO Programming

Fall 2011

Recitation Week 7. October 3-7, 2011

Problem 1:

Explain what each of the following statements. Some of the statements below are incorrect. Which ones and why?

```
String name="CS180"; int i=5;
int a[]=new int [2]; // Assume that we have initialized the elements of array a.
int [] b={3, 4, -5, 8}; // Four integers in array b.
int n=b[0]+a[0];
String s=a[0];
int n=a[i];
int len1=name.length+a.length();
int len2= name.length()+a.length();
int len2= name.length()+a.length;
int len=a+b;
a=b;
```

Problem 2:

Write a Java program to read a sequence of integers from the console and save these in an integer array named `age`. After having read all the integers, print out the contents of array `age` one integer on each line. Your program should continue to read integers until the user enters a 0. Assume that the user will type at most 3 integers before typing a 0.

Problem 3:

Modify your program in Problem 2 so that after having read the data, the program sorts the array in ascending order and prints the sorted array.

Example: Input:

```
9
-4
23
0
```

Output:

```
-4
9
23
```

<End of Problems for Week 7>