There is a quiz that needs to be copied today.

Allow 15 minutes for the quiz at the end.

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Please go over the following examples of recursion. (Don't do anything

that would require a "helper" or "auxiliary" function -- we may not

have covered that before the lab session.)

1. Compute the sum of the integers from 1 to n (without using

the forumula):

public static int sumFromOneToN(int n) {

if (n == 1) {

return 1;

}

return n + sumFromOneToN(n - 1);

}

2. Multiplication of non-negative values via repeated addition

(pretending we don't havea multiplication operator available)

public static int multiply(int a, int b) {

if (a == 0) {

return 0;

}

return b + multiply(a - 1, b);

}

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If you have extra time, ask the students if there are

other things they would like for you to review.

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DON'T FORGET TO ALLOW 15 MINUTES FOR THE QUIZ.