UPPSALA UNIVERSITY DEPARTMENT OF INFORMATION TECHNOLOGY

COMPUTER SYSTEMS/OPERATING SYSTEMS Fall, 2007

IN-CLASS EXERCISE 1
1. What is the output of the program in Example 1?
2. What is the output of the program in Example 2?
3. The following program is a modified version of Example 3. Complete the program by filling in the spaces provided.
<pre>#include <stdio.h></stdio.h></pre>
<pre>int main() {</pre>
int nStudents, nFaculty;
$lem:printf("How many students and faculty does Uppsala University have?\n");$
<pre>scanf(); /* You may use only one scanf statement to accept the two values. Assume that a space will be used by the user to delimit the two input values */</pre>
printf(
);
<pre>/* You may use only one printf statement to print the values. Use a meaningful statement to do so. */</pre>

return 0;

4. This problem is based on Example 4. Change the *if* statement in the program to a *while*, such that the program will remain in the loop until level is greater than the DANGERLEVEL.

5. In Example 5, after the array is initialized, the statement:

```
number[index] = index;
```

will return an error. Why?

6. What is the output of the following code segment?

```
char name[] = {'A', 'l', 'e', 'x', '\0', 'a', 'n', 'd', 'e', 'r'); 
 printf(" The length of the string is %d\n", strlen(name)); 
 printf(" And the string is %s\n", name);
```