

CIS 15BG
LAB #1

Mini-Scantron

Write a program that will grade the results of a true/false test and display the results in a table. The first line of the data file is the number of questions on the test. Assume a maximum of 100 questions. The second line contains the characters representing the correct answers or 'key'. Following these first two lines will be lines containing a pin number and responses from each student. Quit input when EOF is reached. Assume a maximum of 50 students.

Sample data file:

```
5
TTTTF
9234 FFFTT
2345 TTTTT
4567 FFFFF
```

Your program should input the number of questions and store the key in an array of char. It should then read the remaining lines, storing the student pin number in one integer array and the number of correct responses in a parallel integer array. Do not attempt to store the student answers in an array. Rather, see if the response matches the correct answer and then continue with the next response.

Output should be 3 columns: one for the student identification number, one for the number of correct responses, and one for the percentage correct. These should be sorted in ascending order by the pin number using a selection sort. This output should be directed to a file.

Theme Issues: Functions, one-dimensional arrays, sorting