Term Project

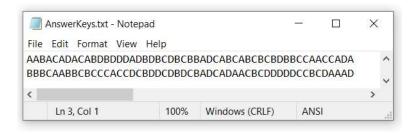
The optical card reader machine generates a text file similar to the one shown below



Each line in the file corresponds to the data read from one optical card. The line format is as follows:

- 01-20 The student's name
- 21-32 The student's TC number
- 33-41 The student's ID number
- 42 The booklet type
- 43-142 The Answers of 100 MCQs

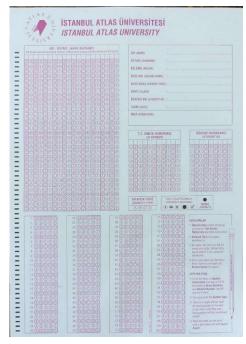
Users of the machine prepare the answer keys in another file similar to the one below:



Each line in the file corresponds to the answer key of one booklet type where the first character corresponds to the booklet type (booklet type \in {A,B,C,D}) and the remaining characters are the correct chooses of the MCQ.

In this project You will create a C program to read both files and generate the Grads and Statistics files. You will be guided to develop the final software progressively and demonstrate your progress to your teaching assistant during lab sessions.





The previous page describes how you will report your term project along with all your previous submittals. Use that page as a cover page for your final hard copy submittal. Don't forget to mark your section and your program (department).

By turning in what you finished you claim that this is your work so that you should be able to answer any questions. Failure to answer any of the questions your TA or I may ask will result in a failure in the project. Remember that this project should be done individually and searching/reading/studying the internet is encouraged and you can even discuss with us your implementation to get opinion on it.