

Grateful: Format of .grades Files

A .grades file is an ASCII text file containing grade information for a single student in a single course.

A .grades file contains one or more blocks, each of which corresponds to a category of graded assignments (e.g., exams, homeworks, labs). The first line in a block contains a positive integer ID, a space, and a textual description (containing 40 characters or fewer). Subsequent lines in the block contain information about individual assignments. The last line in a block contains the negated value of the ID, a space, and a ! character.

Each individual assignment consists of an integer (the grade on that assignment), a space, and a textual description (containing 40 characters or fewer).

For example:

```
1 Participation
90 Participation
-1 !
2 Exams
65 Exam_1
85 Exam_2
70 Final_Exam
-2 !
3 Homework
45 Homework_Assignment_1
0 Homework_Assignment_2
60 Homework_Assignment_3
75 Homework_Assignment_4
35 Homework_Assignment_5
-3 !
```