

FPP Quiz 0

You may use notes, lectures, the internet, books – any resource you want – to help you complete the quiz.

In your package quiz0, you will find three classes: AppAssessor, ApplicantForGradSchool, and Main. An ApplicantForGradSchool object represents an application data from a student for admission into a graduate school; the application data includes the student's gpa, date of graduation from his bachelor's program, and class rank. The AppAssessor will use this data to decide whether or not to accept this applicant to the school. When an application is accepted, it is placed in an accepted array; when rejected, it is placed in a rejected array.

The Main class creates test data – 10 instances of ApplicantForGradSchool are created and then sent to the AppAssessor. The main method then retrieves the accepted and rejected arrays and prints them to console.

The application works; there are no runtime or logic mistakes.

For the quiz, you must do the following:

1. Make both AppAssessor and ApplicantForGradSchool *immutable classes*.
2. AppAssessor makes use of hard-coded values in its evaluateApplicants method. Replace these with constants; place the constants in a separate class AppConstants. (Can your constants be enums in this case?)