## Objective

Given a pool of 600 questions generate as many quizzes as possible

## Conditions

* Each question belongs to any one of the 6 tags - tag1, tag2 ......tag6
* Each question belongs to any one of the difficulty level - EASY, MEDIUM or HARD
* A question can be used only once in any quiz.

Example:

Say from a pool of 600 questions, after the first quiz computation, only 590 questions will be available for the next quiz

### SAMPLE DATA

|  |  |  |
| --- | --- | --- |
| Question ID | Tag | Difficulty |
| SampleId1 | Tag1 | HARD |
| SampleId2 | Tag5 | EASY |
| SampleId3 | Tag3 | MEDIUM |

## Criteria to generate a Quiz

* 1 question from each tag
* 2 questions from each difficulty level
* 10 questions per quiz

## Input

Text file with pipe separated fields. Please generate your own input file to test your code, we will use input file like the one shown below to test your code

#### Example:

Question # | Difficulty Level |Tag

Q1 |HARD|Tag1

Q1 |HARD|Tag1

Q1 |HARD|Tag1

Q1 |MEDIUM|Tag1

........

........

........

........

Q600 |EASY|Tag1

## Output

Count of quizzes that can be generated

## Artifacts

* Executable Jar and Readme containing instructions about how to run the program
* Word / PDF document
  + Explaining the implementation
  + Assumptions Made
  + Test Cases considered