

Q7

① public double getScore (Map<String> key) {

int numCorrect = 0;

int numWrong = 0;

for (int i = 0; i < key.size(); i++) {

String studentAnswer = answers.get(i);

String keyAnswer = key.get(i);

if (!studentAnswer.equals("?")) {

if (studentAnswer.equals(keyAnswer)) numCorrect++;

else numWrong++;

}

}

return numCorrect - (0.25 \* numWrong);

}

② public String highestScoringStudent(ArrayList<String> keys) {

double highScore = -1;

String name = "";

for (StudentAnswerSheet A: sheets) {  
double score = A.getScore(keys);

if (score > highScore) {  
highScore = score;  
name = A.getName();

}

}

return name;

}