**XX. Data Reader**

# Program Name: Datareader.java Input File: datareader.dat

Given a string of letters, and a string that represents the correct string, find the line that represents the largest amount of correct letters in position. If no letter is correctly placed, a message ‘Failed’ will be printed. If more than one line has the same number of letters in place, the first will be printed. For the correct solution, print out a confidence interval that represents the percentage of letters that were in the correct position following this equation:

**Input**There will be a number that represents the number of dataset that will follow *n,* each section will have a number, *l,* that represents the number of lines that follow. The first line will be the string to compare to, the rest are the incorrect attempts. All lines will have the same number of letters.

**Output**

Output a string that represents the line with the most letters in the correct position, and the next line represents the confidence interval.

**Example Input File**

2

4

wildcat

wdatlci

awtcdil

wiadclt

4

sid

isd

ids

dsi

**Example Output to Screen**

wiadclt

Confidence Interval: 71%

isd

Confidence Interval: 33%