**Coding test instructions:**  
  
Please complete the exercise below using the language of your choice and send us your solution.  
We perform these tests to get a feel for how you approach problems, how you think, and how you design your code.  
  
**Problem:** Employee monthly payslip  
  
When I input the employee's details: first name, last name, annual salary(positive integer) and super rate(0% - 50% inclusive), payment start date, the program should generate payslip information with name, pay period,  gross income, income tax, net income and super.  
  
The calculation details will be the following:  
•       pay period = per calendar month  
•       gross income = annual salary / 12 months  
•       income tax = based on the tax table provide below  
•       net income = gross income - income tax  
•       super = gross income x super rate  
  
Notes: All calculation results should be rounded to the whole dollar. If >= 50 cents round up to the next dollar increment, otherwise round down.  
  
The following rates for 2012-13 apply from 1 July 2012.  
  
Taxable income   Tax on this income  
0 - $18,200     Nil  
$18,201 - $37,000       19c for each $1 over $18,200  
$37,001 - $80,000       $3,572 plus 32.5c for each $1 over $37,000  
$80,001 - $180,000      $17,547 plus 37c for each $1 over $80,000  
$180,001 and over       $54,547 plus 45c for each $1 over $180,000  
  
The tax table is from ATO: <http://www.ato.gov.au/content/12333.htm>  
  
Example Data  
Employee annual salary is 60,050, super rate is 9%, how much will this employee be paid for the month of March ?  
•       pay period = Month of March (01 March to 31 March)  
•       gross income = 60,050 / 12 = 5,004.16666667 (round down) = 5,004  
•       income tax = (3,572 + (60,050 - 37,000) x 0.325) / 12  = 921.9375 (round up) = 922  
•       net income = 5,004 - 922 = 4,082  
•       super = 5,004 x 9% = 450.36 (round down) = 450  
  
Here is the csv input and output format we provide. (But feel free to use any format you want)  
  
Input (first name, last name, annual salary, super rate (%), payment start date):  
David,Rudd,60050,9%,01 March – 31 March  
Ryan,Chen,120000,10%,01 March – 31 March  
  
Output (name, pay period, gross income, income tax, net income, super):  
David Rudd,01 March – 31 March,5004,922,4082,450  
Ryan Chen,01 March – 31 March,10000,2696,7304,1000  
  
As part of your solution:  
•       List any assumptions that you have made in order to solve this problem.  
•       Provide instruction on how to run the application  
•       Provide a test harness to validate your solution.