Welcome to the MYOB Coding Exercise!

Please complete the exercise below using the language of your choice and send us your solution. Take as much time as you need. We perform these tests to get a feel for how you approach problems, how you think, and how you design your code.

Thank you and have fun.

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

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
• We value good design and test, it's important to us

Good luck!