Welcome to the MYOB coding exercise!

This exercise helps us understand your approach to problem solving as well as your design, coding and testing skills – skills which we hold in high regard.

Please complete the problem below using the language of your choice and send us your solution. Feel free to take as much time as you need.

When completing your solution, please ensure it is not publicly accessible.

We will then review the solution and decide on inviting you to the next round of our interview process. We value openness and continual-learning, so we will also provide you with feedback on your solution's better aspects and any areas that could be improved.

We look forward to receiving your solution - thank you and have fun!

Problem: Employee monthly pay slip

When supplied employee details: first name, last name, annual salary (positive integer) and super rate (0% - 50% inclusive), payment start date, the program should generate pay slip 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 provided 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 2017-18 apply from 1 July 2017:

Taxable income	**Tax on this income**
$0 - $18,200	Nil
$18,201 - $37,000	19c for each $1 over $18,200
$37,001 - $87,000	$3,572 plus 32.5c for each $1 over $37,000
$87,001 - $180,000	$19,822 plus 37c for each $1 over $87,000
$180,001 and over	$54,232 plus 45c for each $1 over $180,000

For example, the payment in March for an employee with an annual salary of $60,050 and a super rate of 9% is:

- 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,10000,2669,7331,1000

As part of your solution:

- List any assumptions that you made in order to solve this problem.
- Provide instructions on how to run the application.

Good luck!