

Payroll::AU::PAYG

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What is Payroll::AU::PAYG?

- A module for computing common income tax (PAYG – Pay As You Go)
- Handles a variety of options.
- Simple and easy to use.

Why use Payroll::AU::PAYG

- You're an employer, and you don't like 15-page tax tables, or expensive commercial software.
- You're an employee, and you want to know if you're being paid correctly.
- You're dodging tax, and want to know how much trouble you'd get into if caught.
- You're building an application for one of the above.

Example Code

```
use Payroll::AU::PAYG;
my $calc = Payroll::AU::PAYG->new;
my $result = $calc->calculate(
    GrossEarnings => 1000
);
print "I'm paying $result->{tax} this fortnight.\n";
```

What does Payroll::AU::PAYG give you?

The contents of `$result` on the previous slide gives the following fields:

```
{  
    tax => '170.00',  
    medicare => '0.00',  
    gross => '1000.00',  
    rebates => '0.00',  
    net => '830.00',  
    withheld => '170.00'  
}
```

Payroll::AU::PAYG will also be able to give you parameters used to make the calculation, so you know exactly what you're dealing with.

What parameters does PAYG take?

The calculate method can take a great many fields, all the ones required to exactly determine the amount of tax payable. These include:

- TFN/ABN Provided
- Australian Residency
- Tax Free Threshold Claimed
- HECS/SFSS Debt
- Annual Leave Loading
- And many more!

How does it work?

- Payroll::AU::PAYG cheats.
- It uses the ATO's on-line tax calculator.
- The ATO robots.txt file doesn't forbid this. In fact, the ATO robots.txt file endlessly redirects to itself.
- Payroll::AU::PAYG pretends to be Mozilla, since the ATO calculator is scared of unknown user-agents.

How should it work?

- Payroll::AU::PAYG should do the calculations itself, using the formulae provided by the ATO.
- Should be easy to test. Generate random data, and compare the off-line calculations to the on-line results.
- Methods should exist to determine if on-line, off-line, or testing mode should be used.

The big give-away!

- Everyone loves give-aways.
- Especially at Perl Mongers.

The big give-away!

- I'm giving away Payroll::AU::PAYG.

Why adopt Payroll::AU::PAYG?

- Gives you experience in writing commercial libraries for mission-critical payroll systems.
- Excellent testing framework available.
- Working module already exists, with a well-defined scope for improvements.
- Gentle introduction to module-writing.
- Fame, fortune, and a fashionable Your-Name@cpan.org e-mail address!

Any takers?

Conclusion

- Payroll::AU::PAYG makes calculating tax easy.
- Payroll::AU::PAYG handles *all* PAYG calculations and parameters.
- Maintaining and extending Payroll::AU::PAYG will make you famous.