

Example_Module.pm

```
package Example_Module;
# written by andrewt@cse.unsw.edu.au for COMP2041
#
# Definition of a simple Perl module.
#
# List::Util provides the functions below and more

use base 'Exporter';
our @EXPORT = qw/sum min max minstr maxstr/;
use List::Util qw/reduce/;

sub sum {
    return reduce {$a + $b} @_;
}

sub min {
    return reduce {$a < $b ? $a : $b} @_;
}

sub max {
    return reduce {$a > $b ? $a : $b} @_;
}

sub minstr {
    return reduce {$a lt $b ? $a : $b} @_;
}

sub maxstr {
    return reduce {$a gt $b ? $a : $b} @_;
}

# necessary
1;
```

module_example.pl

Use of a simple Perl module.

The directory containing Example_Module.pm should be in environment variable PERL5LIB
PERL5LIB is colon separated list of directory to search similar to PATH

```
use Example_Module qw/max/;

# As max is specified in our import list it can be used without the module name
print max(42,3,5), "\n";

# We don't import min explicitly so it needs the module name
print Example_Module::min(42,3,5), "\n";
```

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