Agenda

Morning

Practice: 45 minutes
Strings, strings, strings: 45 minutes
Reading Files: 30 minutes
First Lab: *CSV2Ugly*

Afternoon

Environment Set Up: 30 minutes
Reading CSV through DBI: 1 hour
Revisit Lab: Finish *Bob, the Teenager*

Practice

Day 18 or Day 3
depending on how you look at it

Cygwin

Open a Cygwin terminal

Change directory to your $USERPROFILE

Change directory to you perl development directory

Create a directory named day-345 and confirm you made it by listing stuff

Remove the directory named day-345

Create a directory named day-3 and a subdirectory under day-3 named data

Cygwin

```
cd $USERPROFILE
cd dev/perl
mkdir day-345
ls
rmdir day-345
mkdir day-3
```

Perl - Print Your Information

In the `day-3` directory, create `print-my-info.pl`, and open the file in your text editor.

Put in the standard header.

Declare **one and only one** variable named `$me` and put in the following keys and their values:
a string "name", a number "number_of_fingers", and a list "friends_names"

Print the value of `$me` using `Data::Dumper`

Print just the second name from your list of friends

Perl
Print Your Information

```perl
#!/usr/bin/env perl
use warnings;
use strict;
use Data::Dumper;

my %me = (
  "name" => "Curtis",
  "number_of_fingers" => 10,
  "friends_names" => [
    "Stacie",
    "Bryan",
    "Heather"
  ]
);

print(Dumper(%me));
print("My second friend is ",
      $me{"friends_names"}->[1],
      ".\n");
```

Perl - Write to File

Open/create a file named `days_of_week.dat` and write the days of the week into the file, each on its own line, replacing any content that exists in the file

Open/create a file named `work.log` and write the current date/time to the end of the file on its own line.

Perl Write to File

```perl
#!/usr/bin/env perl
use warnings;
use strict;

open(my $fh_dow, '>', 'days_of_week.dat')
  or die('Could not access days_of_week.dat');

my $days_of_week = <<DOW;
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday
DOW
print($fh_dow $days_of_week);

open(my $fh_work_log, '>>', 'work.log')
  or die('Could not access work.log');

print($fh_work_log scalar(localtime), "\n");
```

String Theory

Reading Files

CSV2Ugly

Copy and paste this data into a file named `input.dat`.

```
Name,Level,Payment,LocationCode,InNetwork
Bob,Level1,05.34,95,No
Sally,Level2,12.34,45,Yes
```

Use Perl to open `input.dat`, read its contents, and create a file identical to this:

```
01234***ISA****
GP*01
N1*Bob
N2*Level1
N3*05.34*95*No
GP*01
N1*Sally
N2*Level2
N3*12.34*45*No
```

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THE IRON YARD

Environment Set-Up

Good morning!

Install Perl Module
`DBD::CSV`

`perl -MCPAN -e 'install DBD::CSV'`
(I had to run this twice…)

CSVs as a Database