

Introduction to Perl

Andy Brown

Aims

- Be able to run a perl program
- Understand Variables and Data Structures
- Be able to write a program using
 - String manipulation
 - Number functions
 - Loops
 - Decision Making
 - Regular Expressions

Aims

- Be able to read and write a file
- Be able to write a perl one-liner
- Understand Functions
- Niceties if time:
 - Understand Modules
 - Understand Objects
 - Understand Testing

Course Materials

- Modern Perl by Chromatic
- Slides
- Code
- These are for you to take away

Please Ask!

Only the 2nd time!

How the course will run

- Sections
- Workshops
- Will use DNA sequence and Amino Acids where appropriate

Sections

- 00-Introduction
- 01-What is Perl?
- 02-Running a Program
- 03-Functions 1
- 04-Variables and Data Structures
- 05-IO
- 06-Regular Expressions

Sections

- 07-Decision Making
- 08-Let's Write a Script
- 09-File Operations
- 10-One Liners
- 11-References and Big Data Structures
- 12-Functions 2
- 13-Modules

Sections

- 14-Objects
- 15-Combining and when to use scripts/modules/objects
- 16-Testing
- 17-The End

Rules

- Please don't spend your time checking emails or websites
- Please don't try to do work.

Workshops

- Not many upfront
- Getting it right isn't as important as trying to do it
- We will go through all the workshop answers
- They will start to build on each other
- If you need help - Ask!

Who is this idiot?

- Andy Brown
- Been perl programming since 2002
- Full time since 2007
- I know some other languages
- Not formally qualified programmer!

The Day

- 9.30am → 5pm sharp please
- 45 minutes for lunch?
- We will have tea breaks
- Please don't go back to your office at lunch

Who are you wonderful people?

- Name
 - Please also fill in your name cards
- What do you do?
- What do you want out of this course?
- 3 words which describe you