

CS451  
Programming Languages: Pet Project  
Movie Profits

**Setup:**

- Most Linux programs already include Perl but check using the command 'perl -v'
  - If the Perl program details don't come up copy into your terminal:
    - For Mac: curl -L <http://xrl.us/installperl-osx> | bash
    - For Linux: curl -L <http://xrl.us/installperl-nix> | bash
- To run Perl program type in command line: perl pgrmname.pl
- The first line of every Perl program must start with: #!/usr/bin/perl

**Program Statement:**

- You've been chosen to study the movie industry and how much money movies have made over the past few years. You have been provided with a file with the following information: movie names, budget and box office gross (how much money they made in theaters).
- Using the given .txt file
  - Print the movie title and the profit of the movie with the HIGHEST profit in the data file

**Purpose:**

- Practice in Perl with ...
  - Basic syntax (variables)
  - File I/O
  - Arrays

**What to hand in:**

(1) Email me [marmelin@loyola.edu] your solution as <yourname>-movies.pl

**Notes:**

Use the following websites for Perl tutorials:

- Syntax - <https://www.tutorialspoint.com/perl/index.htm>
- Loops - <https://learn.perl.org/books/beginning-perl/>
- File I/O - <https://www.codesdope.com/perl-file-io/>
- Arrays - <https://perlmaven.com/manipulating-perl-arrays>

**Things to keep in mind...**

- File has new line character in the end of each line (use "chomp" to remove)
- File information is split by ':'