

# CSCI 132 Practical Unix Programming

## Homework 2

Due 09/26/08

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### PART 1

Do exercises 1-4 of HOUR 2 in the UNIX book.

### PART 2

Complete the program we did in class on scoring similarity between two strings.

```
use strict;

my @score=(AA=>1, GG=>1, CC=>1, TT=>1, ...); #complete

my $s1=...; #a string of your choice using alphabet {A, G, C, T}
my $s2=...; #and another one

#convert the strings to arrays using split
@a1=...;
@a2=...;

#now to score position i use $score{$a1[$i].$a2[$i]}
#and use a loop to compute the total score
```

### PART 3

Write a program to do the following:

1. Declare a string of some length of your choice made only of the two characters '(' and ')'
2. Convert the string to an array using the split function
3. Compute the balance of this string, defined as the number of '(' characters minus the number of ')' characters. You will need to use a loop here, and a variable to keep track of the balance.

Remember to use strict and the my declarations.