

Perl Laboratory Exercises 4

Notes:

To make a file, let's call it **paul.pl**, executable under Linux, enter this command:

```
$ chmod 755 paul .pl
```

Then copy the file to your **bin** directory:

```
$ cp paul.pl bin
```

Remember: to re-edit the executable file, issue this command:

```
$ vi bin/paul.pl
```

to ensure you edit the file in the **bin** directory.

1. If you have not done so already, create the following script in a file called **what.pl** and run it. What does this script do?

```
#!/usr/bin/perl -w
```

```
while (<>)
{
    chomp;
    s/^\W*//;
    $phrase = $_; # $ARG if we use: 'use English;'.
    $initials = '';
    while ($_)
    {
        s/^(([\w']+)\W*//;
        $initials .= substr( $1, 0, 1 );
    }
    print "$phrase -> \U$initials\E\n"; # Uppercase.
}
```

2. Create the following script, call it **quote.pl**, and run it. What does it do?

```
#!/usr/bin/perl -w

$total_lines = $quoted_lines = 0;
while (<DATA>)
{
    ++$total_lines;
    ++$quoted_lines if /^>/;
}

$percent = ($quoted_lines * 100)/$total_lines;

print "$quoted_lines lines were quoted out of a total of
$total_lines: $percent%\n";
```

___END___

Paul,

Here's a (software development) functional spec illustrated with the data compression example...

Got the marking scheme - thanks.

>

> I talked to this class this AM re: Functional Specification. I have

> decided to have them produce an advert this year, and the allocation of

> the 15% for this phase of the project will be as follows:

>

> 5% advertisement

> 10% formal func. spec.

>

> Do you have a Functional Specification template document?

>

> Cheers.

Ross Palmer