

## Worksheet 2: Basic Perl

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### A Simple Perl Program

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Do the following using Unix commands:

1. Create a subdirectory called `ws` (for worksheets).
2. Put `ws1.pl` in that directory.
3. Move into that directory, and make a copy of `ws1.pl` and call it `ws2.pl`. Make sure `ws2.pl` is executable (using the `ls` command).
4. Open up the new file in an editor (e.g. `pico ws2.pl`).
5. Modify the contents to look like this:

```
#!/usr/bin/perl

while (<>){
    print;
}
```

6. Then try executing the script:

```
$ ./ws2.pl < nicotiana.fa
```

The contents of `nicotiana.fa` should appear on the screen (actually, they'll scroll off the screen).

If it didn't work, check the permissions on the file to make sure that it is executable (c.f. `chmod`), or you may have a typo.

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### A Second Perl Program

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Next, you'll create a program to read in a file and only print out some of it. Look at the contents of `rpoC1`. This is the output of a BLAST genomic sequence database search.

- Write a program to read the file line by line, printing any line that contains `rpoC1`.