

# Notes: Perl Programming Language

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## 1 Intruduction

hello, this is Perl!

```
#!/usr/bin/perl
# run: chmod +ox
print @ARGV;
```

Figure 1: code #0

### 1.1 data types

\$scalar — "A scalar is a value that Perl treats as a single unit, like a number or a word"

@array — "An array is an ordered collection of elements, where the elements are scalars"

### 1.2 modules

#### 1.2.1 pragma

A pragma is a module that controls the behavior of Perl.

strict pragma change the behavior of the perl compiler.

Use the pragma using `use strict;` — pre-pend it to your source code.

### 1.3 subroutines

```
# this is the same as code #0, it's just more complicated
sub echo {
    print "@_\n";
}
echo @ARGV
```

Figure 2: code #1

- All subroutine declarations start with `sub` followed by the name of the subrou- tine and the body.
- The body of the subroutine is a block of statements enclosed in squiggly-braces.  
In this case, the block contains a single statement.