In Perl, all numbers are what?

How large are they?

Floating-point.

They size of a C double is on your system.

### When are underscore readability separators allowed in numbers literals?

When the number literal is non-decimal.

Using \*\* for exponentiation comes from what language?

# FORTRAN.

Describe single-quoted string syntax..

- All characters are literal except for the backslash-
- singlequote and double-backslash combinations.

- They can be multi-line.

Describe double-quoted string syntax.

- Backslash escape sequences are supported.
- Variables are interpolated.
- They can be multi-line.

What does perl do with strings that don't look like numbers, when in a number context?

It ignores trailing characters that it can't interpret as numbers.

If everything is discarded, you're left with the empty string

which is interpreted as 0.

What's the best way to enable warnings?

- In the shebang line. It will work on non-Unix systems too.
- Post-5.6 with the pragma use warnings;.

## How can you get more descriptive error warnings?

- use diagnostics;
- Or equivalently, use -Mdiagnostics argument on perl.

What is a sigil?

#### The symbol \$&?

#### What happens if you interpolate an unknown scalar value?

undef will be assigned to the scalar, which is interpreted as an empty string.

## How variable names identified for interpolation?

As in bash, if you just use \$ident the identifier will be interpreted as the longest legal string following the \$. If you want something shorter you can use \${ident}.

Give the idiomatic way of reading a line of text from the terminal.

```
chomp($text = <STDIN>);
```

In Perl parens are ...

... optional. They need only be used when leaving their

absence adds a new interpretation.

What does chomp do?

It removed the last input separator from a string, returning the number of characters removed.

What is the default value for scalar variables?

Describe it.

#### undef

It acts as numeric zero or as the empty string.

### Name some *numeric* equivalences with numeric 0.

undef and the strings "" and "0".

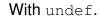
What is \$/.

A special variable storing the input separator. Typically it's " $\n$ ".

undef's string/numeric behavior allows which idioms?

#### Using binary assignment operators on incrementers whose variables are not first initialized.

How is the EOF condition represented?



Test for undef.

#### Use the defined function.

In program text, what is "undef"?

## An operator which returns the value undef.