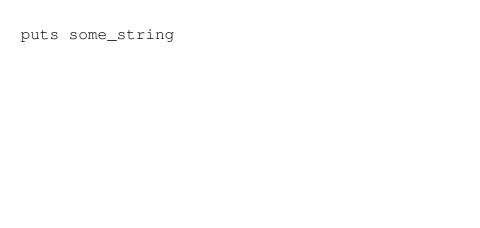
What's the difference between single and double quoted strings?

Single quoted strings are interpreted literally.

Double quoted strings allows further processing on the string, like the substitution of variables into \${VARIABLE}.

How do you print to the screen?



How do you get the class of an object?

How do you get the methods of an object?

obj.class obj.methods What are the two forms of conditionals?

Block form: if condition

#statements

One-line form:

statement if condition

What are unless and until used for?

They are more idiomatic Ruby for "if not" and "while not" constructions.

Explain Ruby's boolean type coercion.

Every type can be interpreted as a boolean. nil and and the literal false evaluate to false. Everything else evaluates to true.

What's the difference between &&/| and &/|?

&&/|| short-circuit, as in Java. Also, &&/|| have the alternatives and/or.

What makes Ruby dynamically typed?

Type checking isn't done until run-time, when an operation is

actually executed.

How is Ruby's type checking fundamentally different from Java's?

Ruby is duck-typed, meaning one type can be used as another so long as it has the needed fields and methods to make an operation work. This is to be contrasted with languages like Java where one type can be used as another only if one is a subclass of the other.

What happens if your function doesn't have a *return* statement?

The last value computed is the result of the function.

This is also true of other kinds of blocks, not just the bodies of

functions.

Empty parens are always ...

... optional. Whether in the definition of a function or a call.

What is Ruby's primary collection?

What is its syntax?

Arrays.

They use square brackets for definition and indexing, two dots for slicing.

```
nums = ['one', 'two', 'three']
nums[0]  #'one'
nums[-1]  #'three'
```

How do you slice an Array?

Use Range objects like 0..3.

someArray[n1..n2]

What happens if you go out of bounds with an array?

Ruby returns nil, unlike Java or Python.

How do you test if an Array has a given member?

el.include?(arr)

There is no equivalent to Python's in.

What is the syntax of hashes?

```
captitals = {'France' => 'Paris', 'USA' => 'Washington D.C.'}
capitals['France'] #'Paris'
```

Ruby

What is a symbol?

An idntifier that follows a colon. They are interned, guaranteeing that two uses of the symbol : symb actually refer to the same object in memory.

How can you find an object's unique identifier?



What are Ruby's key strengths?

- Concise, elegant syntax.

- Consistent object-orientation.

- Short time to market.

- Flexible polymorphism from duck typing.

What are two common uses of Ruby?

- Scripting, especially to glue programs together.
- Scripting, especially to glue programs together.
 Web development with Ruby on Rails.

What are Ruby's key weaknesses?

- Poor performance.
- Weak concurrency due to mutable state and the global
- interpreter lock.Dynamic & duck typing reduces safety and rules out many

useful development tools.