

Ruby notes

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1 Ruby Basics

1.1 Introduction

Interactive shell: `irb`

File extension: `.rb`

1.2 Comments

Commenting is done via `#` symbol. Multi line comments:

```
=begin
Everything here is a comment.
The =begin and =end here are not recognized.
It has to be at the beginning of the line to be recognized as a keyword.
=end
puts "This is code"
```

1.3 Conditional Statements

if

```
if 1==1
  puts "true"
elsif 1==2
  puts "1==2"
else
  puts "1 != 1 and 1 != 2"
```

Ternary operator:

```
result = 1==1 ? "true" : "false"
```

Its arity = 3, so it doesn't anything beyond true and false.

unless

Takes two operands. Executes first operand if second operand is false.

```
world_doesnt_exist = true  
puts "Hello world" unless world_doesnt_exist
```

case

```
case expr0  
when expr1, expr2  
  # stmt1  
when expr3, expr4  
  # stmt2  
when expr5  
  # stmt3  
else  
  # stmt4  
end
```

This has the same function as the following:

```
if expr0 == expr1 || expr0 == expr1  
  # stmt1  
elif expr0 == expr3 || expr0 == expr4  
  # stmt2  
elif expr0 == expr5  
  # stmt3  
else  
  # stmt4  
end
```

1.4 Output