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Ruby 101

Ruby Basics: Conditionals

Ruby Basics:

Conditionals:

- Test conditions
  - Is my variable greater than 10?
- Perform actions based on the result
  - print out a message

Basic Conditional:

```
if my_variable > 10

    puts my_variable

end
```

Ruby Basics:

Ruby Basics:

Extended Conditional:

```ruby
if my_variable > 10

    puts my_variable

else

    puts "Too Small!"

end
```

Extended Conditionals: Part II

```
if my_variable > 10
    ...
elsif my_variable < 10
    ...
else
    ...
end
```

Ruby Basics:

One Line Conditionals:

```ruby
puts "Big Number" if my_variable > 10

puts "Small Number" unless my_variable > 10
```

Basic Negated Conditional:

```
unless my_variable > 10

    puts my_variable

end
```

Ruby Basics:

Ruby Basics:

Ternary Statement:

```
if my_variable > 10
    puts "big"
else
    puts "small"
end

my_variable > 10 ? puts("big") : puts("small")
```

Ruby Basics:

Basic Comparison Tests:

- Greater than
  - a > b
- Less than
  - a < b
- Greater than or equal
  - a >= b
- Less than or equal
  - a <= b
- Equal
  - a == b

Ruby Basics:

Try it yourself:

Write a program that squares an integer, if it is greater than 10. If it is less than or equal to 10, multiply it by 2. Then output the result.

Use the following to get input from the user on the command line, then convert it to an integer.

```
user_input = gets.to_i
```

Ruby Basics:

```ruby
puts "Input an integer"
user_input = gets.to_i

if user_input > 10
    output = user_input * user_input
else
    output = user_input * 2
end

puts output
```