

# Ruby - A Programmer's Best Friend

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# Matz

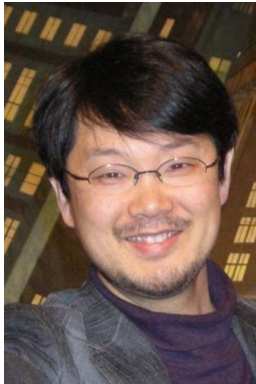


Figure: Yukihiro 'Matz' Matsumoto

# What is Ruby used for

- Computer Administration
- Game Programming
- Task Automation
- Web Applications

# Concepts or why Programmer's Best Friend

- strict OO
- the principle of least surprise
- convention over configuration

# Hello Class

## Listing 1: Greeter

```
1 class Greeter
2   def hello(name)
3     puts "Hello_" + name
4   end
5 def initialize
6   puts "Object_created"
7 end
8   def self.hello name # like java.static
9     puts "Hello_" + name
10  end
11 end
12 myVar = Greeter.new
13 myVar.hello "UnFUG" # or with hello("UnFUG")
14 Greeter.hello "UnFUCK"
```

## visibility

## Listing 2: visibility

```
1  
2 $globalVar # $ = global  
3 @instanceVar # @ = Instance  
4 @@classVar # @@ = Class  
5 CONST # var written upper case = const
```

## inheritance

Listing 3: inheritance

```
1 class Enemy
2     def draw
3         # Drawing Code
4     end
5 end
6
7 class Soldier < Enemy
8     def move
9     end
10
11     def shoot
12     end
13 end
```

# Flow Control

## Listing 4: if / unless

```
1 x = 3
2 if x < 5 # or unless > 5
3     # Do something if true
4 elsif x == 3
5     # Do something if the first is ...
6 else
7     # Do something in all are false
8 end
```

## Listing 5: while / until

```
1 x = 1
2 while x < 5 # or until x > 5
3     #do something
4 end
```

## Flow Control 2

Listing 6: for

```
1 foods = ["ham", "eggs", "cheese"]
2 for food in foods
3     puts food += " is yummy!"
4 end
```

Listing 7: case

```
1 input = gets
2 case input
3 when "1" then
4     puts "Hi!"
5 else
6     puts "Invalid input"
7 end
```

# Sources

Die Programmiersprache Ruby

by David Flanagan & Matz

<http://manwitchcode.com>

<http://www.ruby-lang.org>

<http://www.ruby-doc.org>

<http://www.ruby-forum.com>

end

'\0'