1 Ruby CheatSheet   LANGUAGES

- PDF Link: cheatsheet-ruby-A4.pdf, Category: languages

- Blog URL: `https://cheatsheet.dennyzhang.com/cheatsheet-ruby-A4`

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See more CheatSheets from Denny: #denny-cheatsheets

1.1 Summary

Name	Comment
Check syntax	`ruby -c my.rb`
Generate random key	`r = Random.new, r.rand(10...42)`
Install package with specific version	gem install rubocop -v "0.44.1"
Get RubyGem env	gem env
Check whether variable is nil	`if value.nil?`
Run system command	`system("commandhere")`
Run bash command	`stdin, stdout, stderr = Open3.popen3('ls .')`

1.2 List

Name	Comment
Check existence	['Cat', 'Dog', 'Bird'].include? 'Dog'
Find item	`l1.find_index(x)`
Remove item from list	`l1.delete_at(2)`
Remove duplicate entries	`[1,2,2,1,4,4,5,6,7,8,5,6].uniq`
Deep copy a list	`l1=l.dup`

1.3 String

Name	Comment
Substring	`string[1..3]`
Search substring	"option=name=bob".index("name")
Replace	"Welcome to PHP Essentials!".gsub("PHP", "Ruby")
Remove trailing comma	"ab;123;".chomp(";")
Strip whitespace	`host = host.strip()`

1.4 Integer

Name	Comment

1.5 Conversion

Name	Comment
Convert string to int	"14".to$_i$, "1,112".delete(',').to$_i$
Round float to 2 digits	`(5.65235534).round(2)`
Format datetime	`puts time.strftime("%Y-%m-%d %H:%M:%S")`

1.6 Dict & Set

Name	Comment

1.7 File

Name	Comment
Check whether directory exist	`File.directory?('xxx")`
Check whether files exist	`File.file?('hello.rb')`
Read file to string	`contents = File.read('filename')`

- Write to file

```
# append
File.open('/tmp/test.txt', 'a') { |file| file.write("your text\n") }

# overwrite
File.open('/tmp/test.txt', 'w') { |file| file.write("your text\n") }
```

1.8 Code Snippets

- Get ip from eth0

```
ruby -rsocket -e 'p IPSocket.getaddress(Socket.gethostname)'

require 'socket'
Socket::getaddrinfo(Socket.gethostname,"echo",Socket::AF_INET)[0][3]
```

- Get hostname

```
require 'socket'
hostname = Socket.gethostbyname(Socket.gethostname).first
```

- Get hostname from ip

```
  def get_hostname_by_ip(ip_address)
    require 'resolv'
    dns = Resolv.new

    hostname = ip_address
    begin
      hostname = dns.getname(ip_address)
    rescue
      # TODO: show error message
      puts "ERROR: Exception"
    end
    return hostname
  end
end
```

1.9 More Resources

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