

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

## 1.2 List

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

## 1.3 String

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

## 1.4 Integer

Name	Comment
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## 1.5 Conversion

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

## 1.6 Dict & Set

Name	Comment
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## 1.7 File

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

- 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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