

UNIVERSIDAD NACIONAL AUTÓNOMA DE NICARAGUA



(UNAN-LEÓN)
FACULTAD DE CIENCIAS Y TECNOLOGÍA

Carrera:

Ingeniería en Telemática

Componente:

Software como un Servicio

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Fecha:

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“A la Libertad por la Universidad”

```
Terminal - chelsy@debian: ~/Practica3
Archivo Editar Ver Terminal Pestañas Ayuda
chelsy@debian:~$ mkdir Practica3
chelsy@debian:~$ cd Practica3
chelsy@debian:~/Practica3$ ls
chelsy@debian:~/Practica3$ touch Gemfile
chelsy@debian:~/Practica3$ nano Gemfile
chelsy@debian:~/Practica3$
```

```
Terminal - chelsy@debian: ~/Practica3
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GNU nano 7.2 Gemfile *
source 'https://rubygems.org/'

gem 'rspec'
```

```
Terminal - chelsy@debian: ~/Practica3
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chelsy@debian:~/Practica3$ su
Contraseña:
root@debian:/home/chelsy/Practica3# bundle install
Don't run Bundler as root. Bundler can ask for sudo if it is needed, and
installing your bundle as root will break this application for all non-root
users on this machine.
Fetching gem metadata from https://rubygems.org/...
Resolving dependencies...
Using bundler 2.3.7
Fetching rspec-support 3.13.1
Fetching diff-lcs 1.5.1
Installing rspec-support 3.13.1
Installing diff-lcs 1.5.1
Fetching rspec-core 3.13.0
Fetching rspec-expectations 3.13.2
Installing rspec-expectations 3.13.2
Fetching rspec-mocks 3.13.1
Installing rspec-core 3.13.0
Installing rspec-mocks 3.13.1
Fetching rspec 3.13.0
Installing rspec 3.13.0
Bundle complete! 1 Gemfile dependency, 7 gems now installed.
Use `bundle info [gemname]` to see where a bundled gem is installed.
```

```
Terminal - chelsy@debian: ~/Practica3
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root@debian:/home/chelsy/Practica3# bundle exec rspec --init
create .rspec
create spec/spec_helper.rb
root@debian:/home/chelsy/Practica3# ls
Gemfile  Gemfile.lock  spec
root@debian:/home/chelsy/Practica3# mkdir lib
root@debian:/home/chelsy/Practica3# ls
Gemfile  Gemfile.lock  lib  spec
root@debian:/home/chelsy/Practica3#

run  Terminal  Help

ruby.rb

home > chelsy > Practica3 > lib > ruby.rb
1  def intro array
2    #escribir el código
3  end
4  def nombre nom
5    #escribir el código
6  end
7  def datos? array
8    #escribir el código
9  end

root@debian:/home/chelsy/Practica3# cd lib
root@debian:/home/chelsy/Practica3/lib# touch ruby.rb
root@debian:/home/chelsy/Practica3/lib# cd ..
root@debian:/home/chelsy/Practica3# ls
Gemfile  Gemfile.lock  lib  spec
root@debian:/home/chelsy/Practica3# cd spec
root@debian:/home/chelsy/Practica3/spec# touch rspec_1.rb
root@debian:/home/chelsy/Practica3/spec#
```

home > chelsy > Practica3 > spec >  rspec_1.rb

```
1  require "ruby.rb"
2  describe "#intro" do
3    it "Debe estar definida" do
4      expect(intro([1,2,3,4])).not_to raise_error
5    end
6    it "retorna la suma del array" do
7      expect(intro ([2,6,10,5,2])).to eq(25)
8      expect(intro ([15,6,10,19])).to eq(50)
9      expect(intro ([15,6,4,5])).to eq(30)
10   end
11   it "retorna 0 si el array está vacío" do
12     expect(intro([])).to eq(0)
13   end
14   it "retorna el valor del único elemento del array" d
15     expect(intro([5])).to eq(5)
16   end
17   end
18   describe "#nombre" do
19     it "Debe iniciar con Mayúscula y concatena la cadena
20     expect(nombre("Pedro")).to eq("hello Pedro")
21     expect(nombre("Juan")).to eq("hello Juan")
22     expect(nombre("María")).to eq("hello María")
23   end
24   it "No trabaja con un string vacío" do
25     expect(nombre("")).to eq("vacío")
26   end
27   end
28   describe "#datos?" do
29     it "retorna true si el tamaño del array es > 0" do
30       expect(datos?([2,1,5,6])).to be true
31     end
32     it "retorna false si el tamaño del array es <= 0" do
33       expect(datos?([])).to be false
34     end
35   end
```

```
home > chelsy > Practica3 > spec > rspec_1.rb
1 require "ruby.rb"
2 describe "#intro" do
3   it "Debe estar definida" do
4     expect(intro([1,2,3,4])).not_to raise_error
5   end
6   it "retorna la suma del array" do
7     expect(intro ([2,6,10,5,2])).to eq(25)
8     expect(intro ([15,6,10,19])).to eq(50)
9     expect(intro ([15,6,4,5])).to eq(30)
10  end
11  it "retorna 0 si el array está vacío" do
12    expect(intro([])).to eq(0)
13  end
14  it "retorna el valor del único elemento del array" do
15    expect(intro([5])).to eq(5)
16  end
17 end
18 describe "#nombre" do
19   it "Debe iniciar con Mayúscula y concatena la cadena con la palabra hello" do
20     expect(nombre("Pedro")).to eq("hello Pedro")
21     expect(nombre("Juan")).to eq("hello Juan")
22     expect(nombre("Maria")).to eq("hello Maria")
23   end
24   it "No trabaja con un string vacío" do
25     expect(nombre("")).to eq("vacío")
26   end
27 end
28 describe "#datos?" do
29   it "retorna true si el tamaño del array es > 0" do
30     expect(datos?([2,1,5,6])).to be true
31   end
32   it "retorna false si el tamaño del array es <= 0" do
33     expect(datos?([])).to be false
34   end
35 end
36
```

```
Terminal - chelsy@debian: ~/Practica3
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An error occurred while loading ./spec/rspec_1.rb.
Failure/Error: __send__(method, file)

LoadError:
  cannot load such file -- /home/chelsy/Practica3/spec/spec/rspec_1.rb
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/co
nfiguration.rb:2138:in `load'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/co
nfiguration.rb:2138:in `load_file_handling_errors'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/co
nfiguration.rb:1638:in `block in load_spec_files'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/co
nfiguration.rb:1636:in `each'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/co
nfiguration.rb:1636:in `load_spec_files'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/ru
nner.rb:102:in `setup'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/ru
nner.rb:86:in `run'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/ru
nner.rb:71:in `run'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/ru
nner.rb:45:in `invoke'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/exe/rspec:4:in `<
top (required)>'
# /root/.rbenv/versions/3.1.2/bin/rspec:25:in `load'
# /root/.rbenv/versions/3.1.2/bin/rspec:25:in `<main>'
#
# Showing full backtrace because every line was filtered out.
# See docs for RSpec::Configuration#backtrace_exclusion_patterns and
# RSpec::Configuration#backtrace_inclusion_patterns for more information.
No examples found.

Finished in 0.00005 seconds (files took 0.501 seconds to load)
0 examples, 0 failures, 1 error occurred outside of examples

root@debian:/home/chelsy/Practica3/spec#
```

```
home > chelsy > Practica3 > lib > ruby.rb
1  def intro array
2    #array=[2,6,10,5,2]
3    return 0 if array.empty?
4    array.sum
5  end
6  def datos? array
7    if (array>0)
8      return true
9    else
10     return false
11   end
12 end
13 def nombre nom
14   if nom.empty?
15     "vacío"
16   else
17     "hello #{nom.capitalize}"
18   end
end
```

```
Terminal - chelsy@debian: ~/Practica3
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root@debian:/home/chelsy/Practica3/spec# ls
rspec_1.rb spec_helper.rb
root@debian:/home/chelsy/Practica3/spec# cd spec
bash: cd: spec: No existe el fichero o el directorio
root@debian:/home/chelsy/Practica3/spec# ls
rspec_1.rb spec_helper.rb
root@debian:/home/chelsy/Practica3/spec# rspec lib/ruby.rb
```

```
Terminal - chelsy@debian: ~/Practica3
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An error occurred while loading ./lib/ruby.rb.
Failure/Error: __send__(method, file)

LoadError:
  cannot load such file -- /home/chelsy/Practica3/spec/lib/ruby.rb
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/co
nfiguration.rb:2138:in `load'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/co
nfiguration.rb:2138:in `load_file_handling_errors'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/co
nfiguration.rb:1638:in `block in load_spec_files'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/co
nfiguration.rb:1636:in `each'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/co
nfiguration.rb:1636:in `load_spec_files'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/ru
nner.rb:102:in `setup'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/ru
nner.rb:86:in `run'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/ru
nner.rb:71:in `run'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/lib/rspec/core/ru
nner.rb:45:in `invoke'
# /root/.rbenv/versions/3.1.2/lib/ruby/gems/3.1.0/gems/rspec-core-3.13.0/exe/rspec:4:in `<
top (required)>'
# /root/.rbenv/versions/3.1.2/bin/rspec:25:in `load'
# /root/.rbenv/versions/3.1.2/bin/rspec:25:in `<main>'
#
# Showing full backtrace because every line was filtered out.
# See docs for RSpec::Configuration#backtrace_exclusion_patterns and
# RSpec::Configuration#backtrace_inclusion_patterns for more information.
No examples found.

Finished in 0.00005 seconds (files took 0.49484 seconds to load)
0 examples, 0 failures, 1 error occurred outside of examples

root@debian:/home/chelsy/Practica3/spec#
```