```
Last login: Fri Feb 21 11:26:52 on ttys002
(base) anapaolaoviedo@Anas-MacBook-Pro compmeth % ls
book
        example
(base) anapaolaoviedo@Anas-MacBook-Pro compmeth % mix new bowling
* creating README.md
* creating .formatter.exs
* creating .gitignore
* creating mix.exs
* creating lib
* creating lib/bowling.ex
* creating test
* creating test/test_helper.exs
* creating test/bowling test.exs
Your Mix project was created successfully.
You can use "mix" to compile it, test it, and more:
    cd bowling
    mix test
Run "mix help" for more commands.
(base) anapaolaoviedo@Anas-MacBook-Pro compmeth % cd bowling
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % mix test
Compiling 1 file (.ex)
Generated bowling app
Running ExUnit with seed: 670704, max_cases: 28
Finished in 0.00 seconds (0.00s async, 0.00s sync)
1 doctest, 1 test, 0 failures
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % code .
zsh: command not found: code
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % iex
Erlang/OTP 27 [erts-15.2.2] [source] [64-bit] [smp:14:14] [ds:14:1
4:10] [async-threads:1] [jit] [dtrace]
Interactive Elixir (1.18.2) - press Ctrl+C to exit (type h() ENTER
 for help)
iex(1) > game = List.duplicate([0, 0], 9) ++ [[0, 0, nil]]
```

```
[0, 0],
  [0, 0],
  [0, 0],
  [0, 0],
  [0, 0],
  [0, 0],
  [0, 0],
  [0, 0],
  [0, 0],
  [0, 0, nil]
iex(2)> clear
iex(3) > mix test
error: undefined function mix/1 (there is no such import)
└ iex:3
** (CompileError) cannot compile code (errors have been logged)
iex(3) > cleat
error: undefined variable "cleat"
└ iex:3
** (CompileError) cannot compile code (errors have been logged)
iex(3) > clear
```

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а
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % mix test
Running ExUnit with seed: 487880, max_cases: 28
    warning: Bowling.score/1 is undefined or private
  6
          assert Bowling.score(game) == 0
      test/bowling test.exs:6:20: BowlingTest."test gutter game"/
1
  1) test gutter game (BowlingTest)
     test/bowling_test.exs:4
     ** (UndefinedFunctionError) function Bowling.score/1 is undef
ined or private
     code: assert Bowling.score(game) == 0
     stacktrace:
       (bowling 0.1.0) Bowling.score([[0, 0], [0, 0], [0, 0], [0,
0], [0, 0], [0, 0], [0, 0], [0, 0], [0, 0], [0, 0, nil]])
       test/bowling test.exs:6: (test)
Finished in 0.01 seconds (0.00s async, 0.01s sync)
1 test, 1 failure
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % mix test
Compiling 1 file (.ex)
   warning: variable "game" is unused (if the variable is not mea
nt to be used, prefix it with an underscore)
  2
        def score(game) do
      - lib/bowling.ex:2:13: Bowling.score/1
Generated bowling app
```

Running ExUnit with seed: 333868, max_cases: 28

```
warning: comparison between distinct types found:
        left == right
    given types:
        dynamic(nil) == integer()
   where "left" (context ExUnit.Assertions) was given the type:
        # type: dynamic(nil)
        # from: test/bowling_test.exs:6
        left = Bowling.score(game)
   where "right" (context ExUnit.Assertions) was given the type:
        # type: integer()
        # from: test/bowling_test.exs:6
        right = 0
   While Elixir can compare across all types, you are comparing a
cross types which are always disjoint, and the result is either al
ways true or always false
    typing violation found at:
          assert Bowling.score(game) == 0
  6
     - test/bowling_test.exs:6:32: BowlingTest."test gutter game"/
1
  1) test gutter game (BowlingTest)
     test/bowling_test.exs:4
     Assertion with == failed
     code: assert Bowling.score(game) == 0
     left: nil
     right: 0
```

```
test/bowling_test.exs:6: (test)
Finished in 0.00 seconds (0.00s async, 0.00s sync)
1 test, 1 failure
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % mix test
Compiling 1 file (.ex)
Generated bowling app
Running ExUnit with seed: 845095, max cases: 28
Finished in 0.00 seconds (0.00s async, 0.00s sync)
1 test, 0 failures
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % git status
fatal: not a git repository (or any of the parent directories): .g
it
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % git init
Initialized empty Git repository in /Users/anapaolaoviedo/Document
s/semester 4/compmeth/bowling/.git/
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % git status
On branch main
No commits yet
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .formatter.exs
        .gitignore
        README.md
        lib/
        mix.exs
        test/
nothing added to commit but untracked files present (use "git add"
 to track)
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % git add .
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % git status
On branch main
```

stacktrace:

create mode 100644 README.md

create mode 100644 lib/bowling.ex

```
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
       new file:
                   .formatter.exs
        new file:
                    .aitianore
        new file:
                   README.md
       new file:
                   lib/bowling.ex
       new file:
                   mix.exs
       new file: test/bowling_test.exs
       new file:
                   test/test helper.exs
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % git commit =m "Do
ne with 'qutter game'"
zsh: m not found
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % git commit -m "Do
ne with 'qutter game'"
[main (root-commit) 92d0e2a] Done with 'gutter game'
Committer: Ana Paola Oviedo <anapaolaoviedo@Anas-MacBook-Pro.loca
1>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to ed
it
your configuration file:
    git config --global --edit
After doing this, you may fix the identity used for this commit wi
th:
    git commit --amend --reset-author
7 files changed, 91 insertions(+)
 create mode 100644 .formatter.exs
 create mode 100644 .gitignore
```

```
create mode 100644 mix.exs
 create mode 100644 test/bowling test.exs
 create mode 100644 test/test_helper.exs
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % mix test
Running ExUnit with seed: 230487, max_cases: 28
Finished in 0.00 seconds (0.00s async, 0.00s sync)
1 test, 0 failures
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % mix tets
Compiling 1 file (.ex)
Generated bowling app
** (Mix) The task "tets" could not be found. Did you mean "test"?
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % mix test
Running ExUnit with seed: 412037, max_cases: 28
 1) test 'all ones' game (BowlingTest)
     test/bowling_test.exs:9
     Assertion with == failed
     code: assert Bowling.score(game) == 20
     left: 0
     right: 20
     stacktrace:
       test/bowling_test.exs:11: (test)
Finished in 0.00 seconds (0.00s async, 0.00s sync)
2 tests, 1 failure
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % iex
Erlang/OTP 27 [erts-15.2.2] [source] [64-bit] [smp:14:14] [ds:14:1
4:10] [async-threads:1] [jit] [dtrace]
Interactive Elixir (1.18.2) - press Ctrl+C to exit (type h() ENTER
 for help)
iex(1) > game = List.duplicate([1, 1], 9) ++ [[1, 1, nil]]
Γ
  [1, 1],
  [1, 1],
```

```
[1, 1],
  [1, 1],
  [1, 1],
  [1, 1],
  [1, 1],
  [1, 1],
  [1, 1],
  [1, 1, nil]
1
iex(2) > 1
error: undefined variable "l"
└ iex:2
** (CompileError) cannot compile code (errors have been logged)
iex(2) > mix test
error: undefined function mix/1 (there is no such import)
└ iex:2
** (CompileError) cannot compile code (errors have been logged)
iex(2)>
BREAK: (a)bort (A)bort with dump (c)ontinue (p)roc info (i)nfo
       (1)oaded (v)ersion (k)ill (D)b-tables (d)istribution
а
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % mix test
Compiling 1 file (.ex)
Generated bowling app
Running ExUnit with seed: 391863, max_cases: 28
Finished in 0.00 seconds (0.00s async, 0.00s sync)
2 tests, 0 failures
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % git commit -a -m
"Done with 'all ones game'"
[main a48c90f] Done with 'all ones game'
Committer: Ana Paola Oviedo <anapaolaoviedo@Anas-MacBook-Pro.loca
1>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate
```

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You can suppress this message by setting them explicitly. Run the following command and follow the instructions in your editor to ed it

your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit wi th:

git commit --amend --reset-author

2 files changed, 11 insertions(+), 2 deletions(-)
(base) anapaolaoviedo@Anas-MacBook-Pro bowling % git commit -a -m
"Done with 'all ones game'"
On branch main
nothing to commit, working tree clean
(base) anapaolaoviedo@Anas-MacBook-Pro bowling %