Evidence for Implementation and Testing Unit.

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I.T 1- Demonstrate one example of encapsulation that you have written in a program.

I.T 2 - Example the use of inheritance in a program.

I.T 3 - Example of searching

Example of a function searching data and the output result.

I.T 4 - Example of sorting

Example of a function sorting data and outputting a table of results.

```
console.rb
film1 = Film.new({
                                                                               def find_customer_films
  "title" => "Doom"
  "ticket_price" => 500
                                                                                 FROM customers
                                                                                 INNER JOIN tickets ON customers.id = tickets.customer_id
film1.save()
                                                                                 INNER JOIN films ON tickets.film_id = films.id
                                                                                 WHERE customers.id = $1"
   "title" => "Star Wars, The Empire Strikes Back",
                                                                                 results = SqlRunner.run(sql, values)
  "ticket_price" => 500
film2.save()
                                                                              • • •
                                                                                                               psql -d cc_cinema — psql — psql
                                                                               → db git:(master) × psql -d cc_cinema
psql (10.3)
Type "help" for help.
  "title" => "Tron",
                                                                               cc_cinema=# SELECT films.* FROM customers INNER JOIN tickets ON customers.id = tickets.cust)
omer_id INNER JOIN films ON tickets.film_id = films.id WHERE customers.id = 1;
id | title | ticket_price
film3.save()
customer1 = Customer.new({
   "name" => "William Goldman",
                                                                               1 | Doom |
(1 row)
  "funds" => 1000
                                                                               cc cinema=# ■
customer1.save()
```

I.T 5 - Example of an array, a function that uses an array and the result

Example of a test array in a program, the function and the test results.

```
my_functions.rb
def test_sum_array
                                                        8 def sum_array(numbers)
   result = sum_array( [ 1,2,3,4,5 ] )
                                                              result = 0
   assert_equal( 15, result )
                                                              for number in numbers
end
                                                                result += number
                                                              end
                                                              return result
                       hamishhoad@Hamishs-MBP — ..t_point/specs — -zsh
specs ruby my_functions_spec.rb
Run options: --seed 28893
# Running:
Finished in 0.000802s, 6234.4140 runs/s, 6234.4140 assertions/s.
5 runs, 5 assertions, 0 failures, 0 errors, 0 skips
→ specs
```

I.T 6 - Example of a hash, a function that uses a hash and the result

Example of a hash in a program, a function that calls the hash and the output result.

```
| Consolerb | Internation | Consoler | Conso
```

I.T 7 - Example of polymorphism in a program