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

```
# data
chicken_hashes = [
faname: "Margaret", age: 2, eggs: 0 },
faname: "Metriv", age: 1, eggs: 2 },
faname: "Margaret", age: 2, eggs: 0 },
faname: "Margaret", age: 3, eggs: 1 },
faname: "Margaret", age: 3, eggs: 1 },
faname: "Maret", age: 2, eggs: 0 },
faname: "Maret", age: 3, eggs: 1 },
faname: "Maret", age: 5, eggs: 1 },

# searching data
def find_chicken_by_name(array, name)
for chicken in array
if (chicken[:name] == name)
return "I found #(name)"
return "Inout found"
end
return "not found"
end
# result = find_chicken_by_name(chicken_hashes, "Audrey")
result = find_chicken_by_name(chicken_hashes, "Mudrey")
result = find_chicken_by_name(chicken_hashes, "Metty")
p r
```

I.T 4 - Example of sorting

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

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

```
# Mash.rb

# Mash

myhash = Hash.new()

myhash = Hash.new()

meals = {

"breakfast' > 'yogurt',

"dinner' > 'steak'

p p 'For breakfast, ' + meals['breakfast']

# nested hash

countries = {

uk: {

capital: 'London',

population: 8_787_892

},

germany: {

capital: 'Berlin',

population: 8_787_892

},

p germany: {

capital: 'Berlin',

population: 3_685_000

}}

p 'Londons population is ' + countries[:uk][:population].to_s

p 'Berlins Population is ' + countries[:germany][:population].to_s
```

I.T 7 - Example of polymorphism in a program