

Evidence for Implementation and Testing Unit.

Yonatan Satat

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I.T 3 - Example of searching

```
persons = ["Yoni", "Danna", "Yossi", "David", "Callum"]
def search(array)
  result = []
  for person in array
    if person.include?("i")
      result.push(person)
    end
  end
  return result
end
print search(persons)
```

```
[→ PDA ruby search.rb
["Yoni", "Yossi", "David"]%
→ PDA █
```

I.T 4 - Example of sorting

```
3   fruits = ["banana", "orange", "mango", "strawberry", "apple"]
4
5   def sort_fruits(array)
6     array.sort
7   end
8
9   print sort_fruits(fruits)
```

```
[→ PDA ruby sorting.rb  
["apple", "banana", "mango", "orange", "strawberry"]%  
→ PDA █
```

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

```
1  fruits = ["banana", "orange", "mango", "strawberry", "apple"]  
2  
3  def count_fruits(array)  
4    number_of_fruits = 0;  
5  
6    for fruit in array  
7      number_of_fruits += 1  
8    end  
9  
10   return number_of_fruits.to_s + " fruits in the array"  
11 end  
12  
13 puts count_fruits(fruits)  
14
```

```
[→ PDA ruby array.rb  
5 fruits in the array  
→ PDA █
```

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

```
1  pet1 = {age: 3, name: "fig", sound: "mewoo", cat: true}  
2  
3  def type_of_pet(petHash)  
4    if petHash[:sound] == "mewoo"  
5      return "You are a cat, " + petHash[:name] + "!"  
6    else  
7      return "I don't know who you are"  
8    end  
9  end  
10  
11 puts type_of_pet(pet1)  
12
```



```
[→ PDA ruby hash.rb  
You are a cat, fig!  
→ PDA █
```