

## Evidence For Implementation and Testing Unit

Andrew Laughlin  
Cohort E21

Evidence for use of an array in a program, a function that uses the array and the result:

```
def test_get_playlist
  assert_equal(["Wuthering Heights", "Night Fever", "Suspicious Minds"], @room2.playlist)
end

def test_check_in_guest
  @room1.check_in_guest(@guest1)
  assert_equal("Andy", @guest1.name)
end

def test_check_out_guest
  @room1.check_out_guest(@guest1)
  assert_equal([], @room1.guests)
end

def test_add_song_to_room
  @room2.add_song(@song1)
  assert_equal(4, @room2.playlist.length)
end
```

```
attr_reader :name, :capacity, :entry_fee
attr_accessor :guests, :playlist, :bar_tab
```

```
def add_song(song)
  if @playlist.include?(song)
    return "That song is already in the playlist!"
  else
    @playlist << song
  end
end
```

```

1 runs, 0 assertions, 0 failures, 1 errors, 0 skips
[→ snowman ..
[→ day_3 ..
[→ week_02 cd day_5/ccc_homework
[→ ccc_homework git:(master) ruby specs/room_spec.rb
Run options: --seed 26858

# Running:

.....

Finished in 0.001842s, 8686.2104 runs/s, 9229.0985 assertions/s.

16 runs, 17 assertions, 0 failures, 0 errors, 0 skips
→ ccc_homework git:(master) █

```

Example of a Hash, a function that uses the hash, and the result:

```

def setup
  @drink1 = Drink.new("JD", 5, 10)
  @drink2 = Drink.new("Beer", 3, 20)
  @drink3 = Drink.new("Wine", 4, 30)
  @drink4 = Drink.new("Vodka", 4, 40)

  @food1 = Food.new("Burger", 8, 15)

  @customer1 = Customer.new("Euan", 25, 100, 20)
  @customer2 = Customer.new("Andy", 16, 90, 20)

  # @pub = Pub.new("Chanter", 500, [@drink1, @drink2, @drink3, @drink4])
  @pub = Pub.new("Chanter", 500, {:@drink1 => 5, :@drink2 => 10, :@drink3 => 8, :@drink4 => 12})

```

```

def test_stock_count
  count_stock = @pub.stock_count()
  assert_equal(35, count_stock)
end

```

```
def stock_count()
  stock = 0
  @drinks.each do |d, q|
    stock += q
  end
  return stock
end
```

```
→ ccc_homework git:(master) ..
→ day_5 ..
→ week_02 cd day_3/pub_river_drink
→ pub_river_drink git:(master) × atom .
→ pub_river_drink git:(master) × ruby specs/pub_spec.rb
Run options: --seed 28909

# Running:

.....

Finished in 0.001604s, 8104.7382 runs/s, 8728.1796 assertions/s.

13 runs, 14 assertions, 0 failures, 0 errors, 0 skips
→ pub_river_drink git:(master) ×
```

79 # end