

# Коллекции в Ruby

## Базовые объекты

- Array
- Set
- SortedSet
- Range
- Hash

# Enumerable

```
> [Array, Set, SortedSet, Range, Hash].map(&:ancestors).reduce(:&)  
=> [Enumerable, Object, Kernel, BasicObject]
```

# Array

- `array_by_literal_constructor = [0, 'one', 2.0]`
- `array_by_default_constructor = Array.new([0, 'one', 2.0])`
- `array_by_wrap_constructor = Array.wrap([0, 'one', [2.0]])`

# Set

- `set_by_literal_constructor = Set[0, 'one', 2.0]`
- `set_by_default_constructor = Set.new([0, 'one', 2.0])`

# SortedSet

- `sorted_set_by_literal_constructor = SortedSet[0, 'one', 2.0]`

- `sorted_set_by_default_constructor = SortedSet.new([0, 'one', 2.0])`

- ```
# <=> - spaceship operator
> 1 <=> 2
=> -1
> 2 <=> 2
=> 0
> 3 <=> 2
=> 1
> 'a' <=> 2
=> nil
```

# Range

- ```
range_with_excluded_end = 0...2  
range_with_excluded_end.cover?(2) # => false
```

- ```
range_with_included_end = 0..2  
range_with_included_end.cover?(2) # => true
```

- ```
range_by_default_constructor = Range.new(0,2)  
range_by_default_constructor.cover?(2) # => true
```

## Hash

- `hash_by_literal_constructor = { foo: 0, bar: 1, baz: 2 }`
- `hash_by_default_constructor = Hash.new`
- `hash_by_array_constructor = Hash['foo', 0, 'bar', 1, 'baz', 2]`