

Array Cheat Sheet

Here is a quick reference for the methods and operations we learned in the previous lectures!

Manipulation

```
# add element(s) to the end using push
people = ["Tommy", "Bex"]
p people.push("Maurice", "Abby")    # prints ["Tommy", "Bex", "Maurice",
"Abby"]
p people                            # prints ["Tommy", "Bex", "Maurice",
"Abby"]

# remove the last element using pop
people = ["Tommy", "Bex"]
p people.pop()                      # prints "Bex"
p people                            # prints ["Tommy"]

# add elements(s) to the front using unshift
people = ["Tommy", "Bex"]
p people.unshift("Oscar", "Matthias") # prints ["Oscar", "Matthias",
"Tommy", "Bex"]
p people                            # prints ["Oscar", "Matthias",
"Tommy", "Bex"]

# remove the first element using shift
people = ["Tommy", "Bex"]
p people.shift()                    # prints "Tommy"
p people                            # prints ["Bex"]
```

Checking Existence

```
# check if an element exists in an array using include?
people = ["Tommy", "Bex", "Abby", "Maurice"]
p people.include?("Abby")    # prints true
p people.include?("Mashu")   # prints false

# find the index of an element in an array using index
people = ["Tommy", "Bex", "Abby", "Maurice"]
p people.index("Abby")        # prints 2
p people.index("Maurice")     # prints 3
p people.index("Oscar")       # prints nil
p people.index("Danny")       # prints nil
```

String <> Array

```
# convert a string into an array using split
sentence = "Hey Programmers! What's up."
p sentence.split(" ")      # prints ["Hey", "Programmers!", "What's",
                             "up."]
p sentence.split("a")      # prints ["Hey Progr", "mmers! Wh", "t's up."]
p sentence.split("gram")   # prints ["Hey Pro", "mers! What's up."]
p sentence                  # prints "Hey Programmers! What's up."

# convert an array into a string using join
words = ["Rubies", "are", "red"]
p words.join(" ")          # prints "Rubies are red"
p words.join("-")          # prints "Rubies-are-red"
p words.join("HI")         # prints "RubiesHIareHIred"
p words                    # prints ["Rubies", "are", "red"]
```