Slice Cheatsheet – Syntaxes in Different Languages

Definitions

arr = [1, 2, 3, 4, 5, 6, 7, 8]

Rust

arr[1..5] .... [2, 3, 4, 5]
arr[1..=5] .... [2, 3, 4, 5, 6]

Golang

arr[1:5] .... [2, 3, 4, 5]

Python
arr[1:5] .... [2, 3, 4, 5]
arr[1:5:2] .... [2, 4]
arr[1:5:3] .... [2, 5]

Ruby

arr[1, 5] .... [2, 3, 4, 5, 6]
arr[2, 5] .... [3, 4, 5, 6, 7]
arr[1..5] .... [2, 3, 4, 5, 6]
arr[2..5] .... [3, 4, 5, 6]
arr[2...5] .... [3, 4, 5]
arr[2..-1] .... [3, 4, 5, 6, 7, 8]
arr[2...-1] .... [3, 4, 5, 6, 7]

ECMAScript TC39

arr[1:4] .... [2, 3, 4]
arr[1:4:2] .... [2, 4]

const obj = 0: 'a', 1: 'b', 2: 'c', 3: 'd', length: 4 ;

obj[1:3] .... ['b', 'c']