Appendix C: Java/JavaScript[3]

Feature	Java	JavaScript
Public class	`public class`	`function`
Loops	`for(Type it : c){...}`	`c.forEach(function(){...})`
Lists	`List list = asList(1,2,3);`	`var list = [1,2,3]`
Maps	`Map m = ...; m.put(x,y);`	`var m = {x: y}`
Function def.	`void  method(Type  t)  {}`	`function  method(t)  {}`
Mutable value	`Type t`	`var t`
Immutable value	`final Type t`	`const t`
Null safety	`(x == null ? null : x.y)`	`(x == null ? null : x.y)`
Null replacement	`(x == null ? "y" : x)`	`x ? x : 'y'`
Sort	`Collections.sort(list)`	`list.sort()`
Wildcard import	`import java.util.*;`	N/A
Var-args	`(String... args)`	`()`
Type parameters	`Class<T>`	N/A
Concurrency	`Fork/Join`	

No Java Analogue

Feature	JavaScript
Add method to object	`t.method = function() {}`
Extension methods	`Type.prototype.method  =  function()  {}`

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[3]Version 1.2 of this cheat sheet.