

Javascript vs. Python

Topic	Python	Javascript
<i>comments</i>	# a single line comment	// a single line comment /* this is a multi-line comment */
<i>control structure: if</i>	if <test1>: <statementsA> elif <test2>: <statementsB> else: <statementsC>	if (<test1>) { <statementsA> } else if (<test2>) { <statementsB> } else { <statementsC> }
<i>control structure: while</i>	while <test>: <statementsA> else: <statementsB>	while (<test>) { <statementsA> } // no else clause is available
<i>control structure: do/while</i>	while <test>: <statementsA> else: <statementsB>	do { <statementsA> } while (<test>); // no else clause is available
<i>control structure: for</i>	for i in range(1,10): <statements involving i>	for (i = 1; i <= 10; i++) { <statements involving i> }
<i>functions</i>	def times(x, y): return x*y	function times(int x, int y) { return x*y; }
<i>function calling</i>	z = times(3, 5)	z = times(3, 5);
<i>sample program: hello world</i>	print "Hello, world!"	console.log("Hello World") // only shows up in developer tools console
<i>sample program: summing integers 1-10</i>	sum = 0 for x in range(1, 10): sum = sum + x	int sum = 0; for (int x = 1; x <= 10; x++) { sum = sum + x; }