17-363/17-663: Programming Language Pragmatics, In-Class Exercises Andrew ID:	September 14, 2021
1. Show a derivation for the execution of the following statement sequen	nce:
const x = 1 + 2; return x+3;	
2. Using the principles we've seen, can you define a rule for the executio	n of a call, e1(e2)?
3. Show a derivation tree evaluating the expression: (function (x) { return	n x + 1; })(2 + 3)

4. Show the derivation of the following statement sequence using the broken call rule. What would the result be under static scoping?
const f = function (g) { const $x = 2$ ; return $g(0)$ ;}; const $x = 1$ ; return f( function (y) { return $x$ ; })
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5. Now show the derivation of the same statement sequence using the correct rule.