Week 2 Quiz

CALIFICACIÓN DEL ÚLTIMO ENVÍO

100%

1 cube <- function(x, n) {	
2 x^3	
3 }	
What is the result of running	
1 cube(3)	
n R after defining this function?	
The number 27 is returned	
A warning is given with no value returned.	
The users is prompted to specify the value of 'n'.	
An error is returned because 'n' is not specified in the call to 'cube'	
✓ Correcto	
Because 'n' is not evaluated, it is not needed even though it is a formal argument.	
Γhe following code will produce a warning in R.	1 / 1 puntos
1 x <- 1:10 2 if(x > 5) {	
3	
Why?	

	The expression uses curly braces.	
	(a) 'x' is a vector of length 10 and 'if' can only test a single logical statement.	
	The syntax of this R expression is incorrect.	
	✓ Correcto	
3.	Consider the following function	1 / 1 puntos
		17 1 pantos
	<pre>1 f <- function(x) { 2 g <- function(y) {</pre>	
	3 y + z	
	4 } 5 z <- 4	
	6 x + g(x)	
	7 }	
	If I then run in R	
	1 z <- 10	
	2 f(3)	
	What value is returned?	
	O 4	
	10	
	O 16	
	7	
	Correcto	
4.	Consider the following expression:	1 / 1 puntos
	1 x <- 5 2 y <- if(x < 3) {	
	3 NA	
	5 10	
	6 }	

10	
○ NA	
<u> </u>	
○ 3	
✓ Correcto	
Consider the following R function	1 / 1 puntos
<pre>1 h <- function(x, y = NULL, d = 3L) { 2 z <- cbind(x, d) 3 if(!is.null(y)) 4 z <- z + y 5 else 6 z <- z + f 7 g <- x + y / z 8 if(d == 3L) 9 return(g) 10 g <- g + 10 11 g 12 }</pre> Which symbol in the above function is a free variable?	
f	
O z	
○ d	
○ L	
O g	
✓ Correcto	
What is an environment in R?	1 / 1 puntos
a special type of function	
a collection of symbol/value pairs	

What is the value of 'y' after evaluating this expression?

5.

6.

	a list whose elements are all functions	
	an R package that only contains data	
	✓ Correcto	
7.	The R language uses what type of scoping rule for resolving free variables?	1 / 1 puntos
	dynamic scoping	
	ompilation scoping	
	lexical scoping	
	global scoping	
	✓ Correcto	
8.	How are free variables in R functions resolved?	1 / 1 puntos
8.	How are free variables in R functions resolved? The values of free variables are searched for in the working directory	1 / 1 puntos
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8.	 The values of free variables are searched for in the working directory The values of free variables are searched for in the environment in which the 	1 / 1 puntos
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	 The values of free variables are searched for in the working directory The values of free variables are searched for in the environment in which the function was called The values of free variables are searched for in the environment in which the function was defined The values of free variables are searched for in the global environment Correcto	

R objects cannot be larger than 100 MB All objects must be stored in memory	
✓ Correcto	
10. In R, what is the parent frame?	1 / 1 puntos
It is always the global environment	
It is the environment in which a function was called	
It is the package search list	
It is the environment in which a function was defined	
✓ Correcto	