

mdv()

Weekly challenge 2 Graded Quiz • 40 min

## Congratulations! You passed!

Grade received 100% To pass 80% or higher

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## Weekly challenge 2

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La	itest Submission Grade 100%	
1.	Fill in the blank: When creating a variable for use in R, your variable name should begin with	1/1 point
	a letter	
	O an underscore	
	O an operator	
	O a number	
	Correct     A variable name in R should begin with a letter. Variables may contain numbers and underscores as well but not as the first character.	
2.	You want to create a vector with the values 21, 12, 39, in that exact order. After specifying the variable, what R code chunk allows you to create the vector?	1/1 point
	○ ▼(39, 12, 21)	
	O c(39, 12, 21)	
	© (21, 12, 39)	
	V(21, 12, 39)	
	Correct The code chunk <code>e(21, 12, 39)</code> allows you to create a vector with the values 21, 12, 39. A vector is a group of data elements of the same type stored in a sequence in R. You can create a vector by putting the values you want inside the parentheses of the combine function.	
3.	An analyst comes across dates listed as strings in a dataset, for example <b>December 10th</b> , <b>2020</b> . To convert the strings to a date/time data type, which function should the analyst use?	1/1 point
	O datetime()	

	O lubridate()	
	O now()	
	Correct To convert the strings to date/time data types, the analyst should use the function mdy(). The mdy() function and other variations of the ymd() function convert string dates and times into date/time data types that are compatible with R.	
4.	A data analyst inputs the following code in RStudio:  sales_1 <- (3500.00 * 12)  Which of the following types of operators does the analyst use in the code? Select all that apply.  Logical  Arithmetic	1/1 point
	▼ Artifiliede	
	Correct In the code <pre>sales_1 &lt;- (3500.00 * 12)</pre> , the analyst uses an assignment (<-) and an arithmetic (*) operator. The assignment operator assigns the calculated value in parentheses to the variable sales_1 and the arithmetic operator multiplies the values in parentheses to complete the calculation.	
	Relational	
	✓ Assignment	
	Correct In the code sales_1 <- (3500.00 * 12), the analyst uses an assignment (<-) and an arithmetic (*) operator. The assignment operator assigns the calculated value in parentheses to the variable sales_1 and the arithmetic operator multiplies the values in parentheses to complete the calculation.	
5.	Which of the following files in R have names that follow widely accepted naming convention rules? Select all that apply.	1/1 point
	p1+infoonpatients.R	
	title*123.R	
	patient_details_1.R	
	Correct The files with names that follow widely accepted naming convention rules are patient_data.R and patient_details_1.R. These file names end in .R and use only lowercase letters, numbers, and underscores. They are also clear, concise, and meaningful.	
	✓ patient_data.R	

6. R packages include sample datasets. They also include reusable R functions and documentation about how to use the functions. 1/1 point True False R packages include sample datasets. They also include reusable R functions, documentation about how to use the functions, and tests for checking your code. 7. Packages installed in RStudio are called from CRAN. CRAN is an online archive with R packages and other R-related resources. 1/1 point True False Packages installed in RStudio are called from CRAN. CRAN is an online archive with R packages and other R-related resources. 8. When programming in R, what is a pipe used as an alternative for? 1/1 point Installed package Vector Variable Nested function ✓ Correct A pipe can be used as an alternative for a nested function. You can use both pipes and nested functions to complete multiple operations on data. However, a pipe is often the preferred method because it makes your code easier to read and understand.

The files with names that follow widely accepted naming convention rules are patient\_data.R and patient\_details\_1.R. These file names end in .R and use only lowercase letters, numbers, and underscores. They are also clear, concise, and

meaningful.