✓ **Congratulations! You passed!**

| Grade received 100% | Latest Submission Grade 100% | To pass 80% or higher |
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**Go to next item**

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1.  Fill in the blank: When creating a variable for use in R, your variable name should begin with _____.    **1 / 1 point**

   ○ an operator

   ◉ a letter

   ○ an underscore

   ○ 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.

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2.  You want to create a vector with the values 43, 56, 12 in that exact order. After specifying the variable, what R code chunk allows you to create this vector?    **1 / 1 point**

   ○ `v(12, 56, 43)`

   ◉ `c(43, 56, 12)`

   ○ `v(43, 56, 12)`

   ○ `c(12, 56, 43)`

   ✓ **Correct**
   The code chunk `c(43, 56, 12)` will create a vector with the values 43, 56, 12. 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.

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3.  If you use the mdy() function in R to convert the string `"April 10, 2019"`, what will return when you run your code?    **1 / 1 point**

   ◉ `"2019-04-10"`

   ○ `"2019-10-4"`

   ○ `"4/10/2019"`

   ○ `"4.10.19"`

   ✓ **Correct**
   If you use the mdy() function in R to convert the string `"April 10, 2019"`, the value returned will be `"2019-04-10"`. The mdy() function and other variations of the ymd() function convert string data types into date/time data types.

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4.  A data analyst inputs the following code in RStudio:
   `change_1 <- 70`
   Which of the following types of operators does the analyst use in the code?    **1 / 1 point**

   ◉ Assignment

   ○ Arithmetic

   ○ Relational

   ○ Logical

   ✓ **Correct**
   In this code, the analyst uses an assignment operator: <-. The assignment operator assigns the value 70 to the variable `change_1`.

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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_data.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_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.

**6.** Which of the following are included in R packages? Select all that apply.

`1 / 1 point`

☐ Naming conventions for R variable names

☑ Reusable R functions

> ✓ **Correct**
> R packages include reusable R functions, sample datasets, and tests for checking your code. R packages also include documentation about how to use the included functions.

☑ patient_data.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_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.

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**6.** Which of the following are included in R packages? Select all that apply.

`1 / 1 point`

☐ Naming conventions for R variable names

☑ patient_data.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_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.

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**6.** Which of the following are included in R packages? Select all that apply.

`1 / 1 point`

☐ Naming conventions for R variable names

☑ Reusable R functions

> ✓ **Correct**
> R packages include reusable R functions, sample datasets, and tests for checking your code. R packages also include documentation about how to use the included functions.