

Practice Quiz

Practice Quiz • 12 min • 6 total points

1. Which looping statement should you use if you want to continue to perform an operation if the value of an expression is true?

1 / 1 point

- ☒ While loop
- ☐ Do While loop
- ☐ For loop
- ☐ For Each loop

✓ Correct

A while loop continues to execute if the condition inside the parentheses remains true.

2. What happens if a user-defined function is missing the return statement?

1 / 1 point

- ☒ The function returns the last evaluated expression in the function.
- ☐ The function returns an error.
- ☐ The function returns the first evaluated expression it encounters and then immediately exits the function.
- ☐ The function returns a NULL value.

✓ Correct

The function will return the last evaluated expression if the return statement is missing.

3. Assume you have a variable called **word_string** that contains the string "The quick red fox jumped over the lazy dog." Which function can you use to replace the word "dog" with the word "cat" in the word_string variable?

1 / 1 point

- ☐ substr()
- ☒ chartr()
- ☐ strsplit()
- ☐ nchar()

✓ Correct

Use the function **chartr("dog", "cat", word_string)** to replace "dog" with "cat" in the string.

4. Which of the following statements about regular expressions are true? Select two answers.

1 / 1 point

- ☐ Regular expressions perform mathematical operations on numeric values.
- ☒ Regular expressions are primarily used for data extraction.

✓ Correct

Regular expressions are used to match patterns in strings and text and are primarily used for data extraction.

- ☐ Regular expressions evaluate a condition to determine if it is true or false.
- ☒ Regular expressions are used to match patterns in strings and text.

✓ Correct

Regular expressions are used to match patterns in strings and text and are primarily used for data extraction.

5. How do you convert a UNIX date/time format to an R Date object?

1 / 1 point

- ☐ Pass the UNIX date/time value to the **is.Date()** function.
- ☒ Pass the UNIX date/time value to the **as.POSIXct()** function and then pass that value to the **as.Date()** function.
- ☐ Pass the UNIX date/time value to the **as.Date()** function.
- ☐ Pass the UNIX date/time value to the **as.POSIXct()** function and then pass that value to the **is.Date()** function.

✓ Correct

The **as.POSIXct()** function converts a UNIX date/time to a format that can then be passed to the **as.Date()** function to return a Date object.

6. What type of statement should you add to your code if you know that an error or warning might occur?

1 / 1 point

- ☒ A tryCatch statement.
- ☐ Incorrect distractor
- ☐ A tryError statement.
- ☐ A catchError statement.

✓ Correct

A tryCatch statement catches the error or warning while it's happening to avoid the halting of your script.