

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

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

✓ **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

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

✓ **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 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.

☐ Regular expressions evaluate a condition to determine if it is true or false.

☒ 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.

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 **is.Date()** function.

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✓ **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

☐ Incorrect distractor

☐ A tryError statement.

☐ A catchError statement.

☒ A tryCatch statement.

✓ **Correct**

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