

Question 1.

What are escape characters, and how do you use them?

Answer 1:

To insert characters that are illegal in a string, use an escape character.

An escape character is a backslash \ followed by the character you want to insert.

An example of an illegal character is a double quote inside a string that is surrounded by double quotes:

Question 2.

What do the escape characters n and t stand for?

Answer 2:

\n is a newline and \t is a tab.

Question 3.

What is the way to include backslash characters in a string?

Answer 3:

The \\ escape character will represent a backslash character.

Question 4.

The string "Howl's Moving Castle" is a correct value. Why isn't the single quote character in the word Howl's not escaped a problem?

Answer 4:

The single quote in Howl's is fine because we have used double quotes to mark the beginning and end of the string.

Question 5.

How do you write a string of newlines if you don't want to use the n character?

Answer 5:

Multiline strings allow us to use newlines in strings without the \n escape character.

Question 6.

What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!':['5]

'Hello, world!'[3:]

Answer 6:

The expressions evaluate to the following:

'e'

'Hello'

'Hello'

'lo world!'

Question 7.

What are the values of the following expressions?

`'Hello'.upper()`

`'Hello'.upper().isupper()`

`'Hello'.upper().lower()`

Answer 7:

The expressions evaluate to the following:

`'HELLO'`

`True`

`'hello'`

Question 8.

What are the values of the following expressions?

`'Remember, remember, the fifth of July.'.split()`

`'-'.join('There can only one.'.split())`

Answer 8:

The expressions evaluate to the following:

`['Remember,', 'remember,', 'the', 'fifth', 'of', 'November.']`

`'There-can-be-only-one.'`

Question 9.

What are the methods for right-justifying, left-justifying, and centering a string?

Answer 9:

The `rjust()`,

`ljust()`,

and `center()` string methods.

Question 10.

What is the best way to remove whitespace characters from the start or end?

Answer 10:

The `lstrip()` and `rstrip()` methods remove whitespace from the left and right ends of a string.