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

Answer:

Escape characters represent characters in string values that would otherwise be difficult or impossible to type into code.

Example: \n-newline,\r-carriage return,\\-backslash etc.

1. What do the escape characters n and t stand for?

Answer: \n is a newline; \t is a tab.

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

Answer:

The \\ escape character will represent a backslash character.

1. 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:

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

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

Answer:

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

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

Answer:

'Hello, world!'[1]🡪'e'

'Hello, world!'[0:5]🡪'Hello'

'Hello, world!'[:5]🡪'Hello'

'Hello, world!'[3:]🡪'lo world!

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

Answer:

'Hello'.upper()🡪'HELLO'

'Hello'.upper().isupper()🡪True

'Hello'.upper().lower()🡪'hello'

8. What are the values of the following expressions?

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

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

Answer:

['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']

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

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

Answer:

The methods for right-justifying, left-justifying, and centering a string are rjust(), ljust(), and center() string methods, respectively.

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

Answer:

lstrip() and rstrip() methods are the b.est way to remove whitespace characters from the start or end.