

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

Ans:- Escape characters are special characters that you want to insert into a string, like a newline (\n), tab (\t), or a backslash itself (\\). They are used by preceding them with a backslash.

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

Ans:- The escape character \n stands for a new line, and \t stands for a tab.

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

Ans:- To include a backslash in a string, you can use double backslashes (\\)

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?

Ans:- The single quote in "Howl's Moving Castle" isn't a problem because the string is surrounded by double quotes. Inside double quotes, single quotes don't need to be escaped

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

Ans:- If you don't want to use the \n character to write a string of newlines, you can use triple-quoted string literals

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!':[5]

'Hello, world!'[3:]

Ans:- The values of the given expressions are:

'Hello, world!'[1] returns 'e'.

'Hello, world!'[0:5] and 'Hello, world!':[5] both return 'Hello'.

'Hello, world!'[3:] returns 'lo, world!'.

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

Ans:-

The values of the following expressions are:

'Hello'.upper() returns 'HELLO'.

'Hello'.upper().isupper() returns True.

'Hello'.upper().lower() returns 'hello'.

8. What are the values of the following expressions?

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

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

Ans:-

The values of the following expressions are:

'Remember, remember, the fifth of July.'.split() returns ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.'].  
'-'.join('There can only one.'.split()) returns 'There-can-only-one.'

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

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

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

Ans:- The best way to remove whitespace characters from the start or end of a string is by using the strip() method