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

Ans:- 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.

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

Ans:- An escape sequence is a sequence of characters that, when used inside a character or string, does not represent itself but is converted into another character or series of characters that may be difficult or impossible to express directly like newline (\n), tab (\t), and so on.

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

Ans:- If you want to include a backslash character itself, you need two backslashes or use the @ verbatim string: var s = "\\Tasks"; // or var s = @"\Tasks"; Read the MSDN documentation/C# Specification which discusses the characters that are escaped using the backslash character and the use of the verbatim string literal.

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?

Ans:- The string value "Howl's Moving Castle" is a valid string. Why isn't it a problem that the single quote character in the word Howl's isn't escaped? The single quote in Howl's is fine because you've used double quotes to mark the beginning and end of the string.

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

Ans:- Just use \n ; Python automatically translates that to the proper newline character for your platform.

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

Ans:- The expressions evaluate to the following:

'e'

'Hello'

'Hello'

'lo world!

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

Ans:- The expressions evaluate to the following:

'HELLO'

True

'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 expressions evaluate to the following:

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

'There-can-be-only-one.

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

Ans:- The rjust(), ljust(), and center() string methods, respectively

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

Ans:- The lstrip() and rstrip() methods remove whitespace from the left and right ends of a string, respectively.