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

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

Answer=

\n is a newline

\t is a tab

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

Answer=

if you want to include a backslash character in a string, you will need to escape that. The \\ escape character will represent a backslash character.

print("C:\\Users\\Path\\Desktop")

output - C:\Users\Path\Desktop

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=

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

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

Answer=

Multiline strings allow you to use newlines in strings without the \n escape character Like below,

print ( "Hello , World!)

print ( "Hello , World!)

print ( "Hello , World!)

print ( "Hello , World!)

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

Answer=

print('Hello, world!'[1])  
print('Hello, world!'[0:5])  
print('Hello, world!'[:5])  
print('Hello, world!'[3:])

output -

e

Hello

Hello

lo, world!

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

Answer=

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())

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 rjust(), ljust(), and center() string methods are use.

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

Answer=

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