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

Ans-> Escape characters represent characters in string values that would otherwise be difficult or impossible to type into code. In **Python** strings, the backslash "\" is **a special character**, also called the "**escape**" **character**. **It** is **used** in representing certain whitespace **characters**: "\t" is **a** tab, "\n" is **a** newline, and "\r" is **a** carriage return.

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

Ans-> \n is a newline; \t is a tab.

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

Ans-> 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?

Ans-> 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 newlines if you don't want to use the n character?

Ans-> Multiline strings allow you to use newlines in strings without the \n escape character.

1. 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.