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

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

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

"\t" is a tab, "\n" is a newline

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

print('its a back slash \\ in a line')

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?

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

# like wise we can use double quote inside single quote

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

Multiline string allow you to use newlines in string without the \n escape character

# Example:

a = '''iNeuron full stack

Data Science Course'''

print(a)

6. What are the values of the given expressions?

'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'

'Hello'.upper().isupper() -> True

'Hello'.upper().lower() -> 'hello'

8. What are the values of the following expressions?

'Remember, remember, the fifith of July.'.split() -> ['Remember,', 'remember,', 'the', 'fifith', 'of', 'July.']

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

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

The rjust(),ljust(),center() string methods, respectively

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

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