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

\n: Represents a newline character. It is used to insert a line break within a string.

\t: Represents a tab character. It adds a horizontal tab space within a string.

": Represents a double quotation mark. It allows you to include a double quotation mark within a string literal enclosed by double quotes.

': Represents a single quotation mark. It allows you to include a single quotation mark within a string literal enclosed by single quotes.

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

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

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

To include a backslash character in a string, you can use the backslash () as an escape character. Since the backslash itself is an escape character, you need to use two backslashes (\) to represent a single backslash within a string literal.

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 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?

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

By using multi line strings that done using triple quotes

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

In [22]:

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

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

Left justified

abc ="revan kumar"

abc.ljust(27,";")

right justified

abc =" revan kumar "

abc.ljust(27,"-")

center justified

abc =" revan kumar "

abc.ljust(40,"\*")

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

lstrip() -> removes white spaces from left of the string

rstrip() -> removes whitespaces from right of the string