**PYTHON ASSIGNMENT - 6**

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

ANSWER:

Escape characters are special characters in strings that are used to represent characters that are difficult or impossible to type directly. They are preceded by a backslash () in the string.

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

ANSWER:

\n represents a newline character, causing the text following it to start on a new line. \t represents a tab character, causing the text following it to be indented horizontally.

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

ANSWER:

To include a backslash character in a string, you use a double backslash (\\). For example, "This is a backslash: \\\\".

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 character in the word "Howl's" is not a problem because the entire string is enclosed in double quotes (""). Single quotes ('') can be used within double quotes without needing to be escaped.

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

ANSWER:

multiline\_string = '''

This is line 1.

This is line 2.

This is line 3.

'''

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

ANSWER:

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-only-one.'

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

ANSWER:

For right-justifying: rjust() method

For left-justifying: ljust() method

For centering: center() method

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

The strip() method is used to remove whitespace characters from both the start and end of a string. To remove whitespace characters from just the start or end, you can use lstrip() or rstrip() methods, respectively.