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

Ans:- To insert characters that are illegal in a string, use an escape character.An escape character is a backslash \ followed by the character you want to insert.

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

Ans:- 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

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

Ans:- Use two backslashes to represent a backslash Use the syntax "\\" within the string literal to represent a single 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?

Ans:- The single quote in Howl's is fine because you've 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?

Ans:-if we want to print string from new line and don't want to use the n character then we can use end=" ".

6. What are the values of the given expressions?

Ans:- '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?

Ans:- 'Hello'.upper() = HELLO

'Hello'.upper().isupper() = True

'Hello'.upper().lower() = False

8. What are the values of the following expressions?

Ans:- 'Remember, remember, the fifth of July.'.split()

['Remember,', 'remember,', 'the', 'fifth', '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?

Ans:- ljust(), rjust(), center()

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

Ans:- trim. trim function is used to remove strip whitespace (or other character) from beginning and end of the string. trim function remove the whitespace which is before and after the value.