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. Conversely, prefixing a special character with "\" turns it into an ordinary character.

Use a raw string to represent a backslash

Use the syntax r"\" to treat backslash ( \ ) as a literal character, and not as an escape character.

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?

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?

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?

To add the default value of end parameter of bulit in print function

print("Hello", end=" ")

print("'World")

O/p -> Hello World

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()-> ['Rember, 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?

ljust() method is left-justifying, rjust() method is right-justifying,center()method is centering

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

The strip() method removes given characters from start and end of the original string. By default, strip() function removes white spaces from start and end of the string and returns the same string without white spaces.