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

An escape character is a backslash \ followed by the character you want to insert.

eg :-"Welcome to \"The world\" of reality."

output will be: Welcome to "The World" of reality.

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

n stands for new line while t stands for tab.

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

Backslash char in string can be used as:

eg: r"Hello \ how are you"

output is: r"Hello \ how are you"

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?

This is because there are 2 diff notations single quote and double quote. the double quote has a pair(1 closing and 1 opening)

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

The string has to be written in separate lines if we do not use n character.

eg: s = "HI

        Hello"

Output is : Hi

        Hello

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():

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['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']
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'-'.join('There can only one.'.split()):

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

ljust(): for left justifycation

rjust(): for right justyfication

center(): for center justification

eg :

st = 'Hi'

st.ljust(2, '#') :

Hi

st.rjust(2,'#'):

Hi

st.center(2,'#'):

Hi

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

Strip() can remove white space from beginning and end.