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

Escape character as represented by slash ‘\’ followed by any characters. there can be many escape character like \t,\’,\\,\”,\n,\r which are used to write a code in your python script.

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

\n stands for a new line

\t stands for a new tab

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

to include backslash characters in a string , use escape character ‘\\’

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?

“Howl’s Moving Castle” is fine because it is enclosed within a double quote. the vice versa will create issue.

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

we can use “”” string “”” 3 double or single quotes to write sting of newlines without using n character

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()

returns a list of each word

['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']

'-'.join('There can only one.'.split()) - first returns a list of words and then join each with ‘-’

'There-can-only-one.'

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

rjust(),ljust() and center() right , left and centering a string

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

we can remove whitespace characters from start to end by using lstrip() and rstrip() method in python