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

Ans1 escape characters are characters that have special meaning when used inside the string, we use them by putting backslash \ followed by a character, this character with backslash will have special meaning depending upon the character used. Eg - \t(for tab), \n(for new line).

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

Ans2 - \n represents new line , \t represents tab

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

Ans3 a backslash character in a string represented by \\

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?

Ans4 It will work because we have user double quotes on either side of string.

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

Ans5 We can user Multiline strings to write string of new lines if we don’t want to user 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() - ['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?

Ans9 -

* rjust() – for right-justifying
* ljust() – for left-justifying
* center() – for centering

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

Ans10 –

* lstrip() – To remove spaces from the start
* rstrip() – To remove spaces from the end