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

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

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

Ans: "\t" is a tab and "\n" is a newline.

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

Ans:Use two backslashes to represent a backslash,i.e., the syntax "\\" within the string literal.

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 whole string.

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

Ans:

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()

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

'-'.join('There can only one.'.split())

Ans: 'There-can-only-one.'

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

Ans: The methods are :

left justify : str.ljust(s, width[, fillchar])

right justify : str.rjust(s, width[, fillchar])

centering : str.center(s, width[, fillchar])

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

Ans: You can call the trim() method on your string to remove whitespace from the beginning and end of it. It returns a new string without whitespace.