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

Solution: An escape sequence characters are special character used in the form of backslash(\) followed by a characters that is required.

These type of characters are used to represent white spaces.

White spaces gives characters like space, tab, form feed, vertical tab.

Escape sequence characters and their usage are as follows

Escape characters	Usage							
\'	This represents a single quote							
\n	This represents a newline							
\r	This represents a carriage return							
\t	This represents a tab							
\b	This represents a backspace							
\f	This represents a formfeed							

Escape Sequence characters	Usage				
\ooo	This represents an				

	octal value				
\xhh	This represents a hex value				
\\	This represents a backslash				
\uxxxx	This represents 16 bits hex value				
\uxxxxxxxx	This represents 32 bits hex value				

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

Solution: Escape characters n or\n is used to create a new line character

And t or \t is used to create a Horizontal Tab.

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

Solution: The backslash("\") character is a special escape character used to indicate other special characters such as new lines(\n), tabs(\t), or quotation marks (\"). If you want to include a backslash character itself, you need two backslashes or use the @ verbatim string: "\\ Tasks" or @"\Tasks".

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?

Solution: 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?

Solution: Multiline strings allow you to use newlines in strings without the \n escape character.

 6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

Solution: The expressions solutions are as foolws

'e'

'Hello'

'Hello'

'lo world!

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

Solution: The expressions Solutions are as follws

'HELLO'

True

'hello'

8. What are the values of the following expressions?

'Remember, remember, the fifth of July.'.split()

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

Solution: The expressions return the following:

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

'There can be only one.

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

Solution: The rjust(), ljust(), and center() string methods, respectively.

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

Solution: The lstrip() and rstrip() methods remove whitespace from the left and right ends of the string respectively.