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

**Ans:** Escape characters are characters that are generally used to perform certain tasks and their usage in code directs the compiler to take a suitable action mapped to that character.

|  |  |
| --- | --- |
| **Escape characters** | **Result** |
| \' | Single Quote |
| \\ | Backslash |
| \n | New Line |
| \r | Carriage Return |
| \t | Tab |
| \b | Backspace |
| \f | Form Feed |
| \ooo | Octal value |
| \xhh | Hex value |

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

**Ans:** \n – Display data in new line

\t – Display space of one tab.

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

**Ans:** Use \\ - it will print one \ blackslash in string

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 string.

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

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

Use double quotes """ or single quotes ''' at start and end of the string.

6. What are the values of the given expressions?

'Hello, world!'[1] -- **Ans:** ‘e’

'Hello, world!'[0:5] -- **Ans:** Hello

'Hello, world!'[:5] -- **Ans:** Hello

'Hello, world!'[3:] -- **Ans**: lo, world!

7. What are the values of the following expressions?

'Hello'.upper() : **Ans:** ‘HELLO’

'Hello'.upper().isupper(): **Ans:** True

'Hello'.upper().lower() : **Ans:** ‘hello’

8. What are the values of the following expressions?

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

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

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

'There-can-only-one.'

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

**Ans:** rjust(), ljust(), center() methods are used.

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

**Ans:** Function Strip() is used to remove all whitespaces in a string