Python Basic Assignment - 06

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

    Escape sequences allow us to include special characters in strings. To do this, we simply add a backslash (\ ) before the character you want to escape

    ```
    s = 'Hey, what\'s up?'
    print(s)
            O/p -- Hey, what's up?
    ```

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

    In Python strings, the backslash "\" is a special character, also called the "escape" character.

    It is used in representing certain whitespace characters: "\t" is a tab, "\n" is a newline.

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

    Use the syntax "\\" within the string literal to represent a single backslash.

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?**

    Because it has been 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?**

    To write a string of a newline , we use < end = " " >

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?

' .rjust(width) ' – This method returns a right aligned string of length width.
'.ljust(width) ' – This method returns a left aligned string of length width.
' .center(width) ' – This method returns a centred string of length width.

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

We can call the trim() method on your string to remove whitespace from the beginning and end of it.