**ASSIGNMENT 06**

1. What are escape characters, and how do you use them?  
Ans: To insert characters that are illegal in a string, use an escape character. An escape character is a backslash \ followed by the character you want to insert.

2. What do the escape characters n and t stand for?  
Ans: An escape sequence is a sequence of characters that, when used inside a character or string, does not represent itself but is converted into another character or series of characters that may be difficult or impossible to express directly, like newline (\n), tab (\t), and so on.

3. What is the way to include backslash characters in a string?  
Ans: var s = "\\Tasks"; // or var s = @"\Tasks"; Read the MSDN documentation/C# Specification which discusses the characters that are escaped using the backslash character and the use of the verbatim 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 string value "Howl's Moving Castle" is a valid string. Why isn't it a problem that the single quote character in the word Howl's isn't escaped? 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: A backslash.

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() : ‘HELLO’

'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()) :

9. What are the methods for right-justifying, left-justifying, and centering a string?  
Ans: These functions respectively left-justify, right-justify and center a string in a field of given width. They return a string that is at least width characters wide, created by padding the string s with the character fillchar (default is a space) until the given width on the right, left or both sides. The string is never truncated.

10. What is the best way to remove whitespace characters from the start or end?  
Ans: Use the . strip() method to remove whitespace and characters from the beginning and the end of a string. Use the . lstrip() method to remove whitespace and characters only from the beginning of a string.