

Assignment 6 Solutions

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

ANS: Escape characters represent characters in string values that would otherwise be difficult or impossible to type into code. we can use the backslash character to escape a single character or symbol

example: `\t`, `\n`

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

ANS: `\n` is a newline, `\t` is a tab

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

ANS: The `\` escape character will represent the backslash character in a 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 string "Howl's Moving Castle" escaped the problem because it is wrapped inside double quotes. if its wrapped inside single quotes then we have to use escape character `\` to show single quote in the final output

'Howl's Moving Castle' -> 'How\'s Moving Castle'

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

ANS: Multiline string allow you to use newlines in string without the `\n` escape character

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In [1]: # Example
a = '''iNeuron full stack
Data Science Course'''
print(a)
```

```
iNeuron full stack
Data Science Course
```

6. What are the values of the given expressions ?

'Hello, world!'[1] 'Hello, world!'[0:5] 'Hello, world!':[5] 'Hello, world!':[3:]

ANS: The values for the given expressions are:

'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'.upper().isupper()

'Hello'.upper().lower()

ANS: The values for the given expressions are:

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

ANS: The values for the given expressions are:

`'Remember,remember, the fifth of july.'.split() -> ['Remember,', 'remember,', 'the','fifth', 'of', 'July.']`

`'-'.join("There can only one'.spilt()) -> 'There-can-only-one'`

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

ANS: The `rjust()` , `ljust()` , `center()` string methods, respectively

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

ANS: The `lstrip()` and `rstrip()` methods remove whitesapce characters from the left and right ends of a string respectively

In []:

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