**Assignment-6**

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

Solution: Escape characters represents characters in string values that would otherwise be difficult or impossible to type into code.

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

Solution: \n is a new line; \t is a tab.

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

Solution: The \\ escape character will represent a backlash character.

1. 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 is inside a string due to the double quotes.

1. 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 the string without \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: Values are:

‘e’

‘Hello’

‘Hello’

‘lo world’

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

Solution: Values are;

‘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: Values are:

[‘Remember’, ’remember’ , ’, ’, ‘the’, ‘fifth’, ‘of’, ‘July’]

‘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() strings methods, respectively.

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

Solution: The lstrip() and rstrip() methods remove white spaces from left and right ends of a string respectively.