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

Answer:- Escape characters are the string which is followed after \ backslash. It is used to insert the illegal character in a string.

For example, the following string will give an error while executing.

Print(“I am Shivam and my home town is “Motihari” Bihar”)

To correct above errorness we can use, the escape character.

Print(“I am Shivam and my home town is \”Motihari\” Bihar”)

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

Answer: \n means adding a new line in a text. Along with this, the \t is used to insert tab in the text.

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

Answer:- To insert the backslash in the string you need to put two backlash before and after the string under double quoation or single quotation.

“\\Shivam”

Or

Use verbatin string @ before backlash

@”\Shivam”

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?

Answer: - The single quote in Howl’s is correct becasue the double quotes mark the begining and end of the string.

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

Answer:-Multilines string allow you to use newlines and in strings without the \n escape character.

6. What are the values of the given expressions?

'Hello, world!'[1]

Output : ‘e’

'Hello, world!'[0:5]

Output: ‘Hello’

'Hello, world!'[:5]

Output: ‘Hello’

'Hello, world!'[3:]

‘lo world!’

7. What are the values of the following expressions?

'Hello'.upper()

Output: ‘HELLO’

'Hello'.upper().isupper()

Output: True

'Hello'.upper().lower()

Output: ‘hello’

8. What are the values of the following expressions?

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

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

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

Output: ‘There-can-only-one.’

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

Answer: The method for right-justifying : rjust()

The method for left-justifying:ljust()

The method for centering string: center()

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

Answer: To remove the whitespace characters from the start we can use lstrip() and for the end we can use rstrip() method.

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