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Assignment : 6th

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

An escape character is something which we use as an illegal character inside a string, to avoid errors we use \ (backslash) with character which we want to insert.

Ex: “Hello there, My Name Is \“ADITYA\”, I Love To Watch Animes”

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

\n used for inserting a new line, whereas \t used to give a tab in same line.

Ex: “Hello\nWorld”

Output: Hello

World

“Hello\tWorld”

Output: Hello World

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

We must put backslash escape character before \” and after \” the character which we want to include inside a string. Ex:

“Hello, Here We Are Including, \”ADITYA\”, as a escape character”

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?

There is a difference between double(“”) and single(‘’) quotations in any programming language, it consider both quotations in different manner, If we pass a character in single quotation inside double quoted string then it will assume it as a character inside a string, and its vice versa for other scenario.

For Ex: “This isn’t going to create any error”

‘This isn”t going to create any error too…’

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

We simply write all the strings by using different print functions for each.

Ex: print(“Hello”)

print(“World”)

Output : Hello

World

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?

We use ljust() for left justify, rjust() for right justify, and center() for center justify. Although we always require to pass at least one argument in a method in order to get proper output.

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

We can use .strip() method in order to remove whitespaces from end and begin of any character.

Ex:

‘ Hello ’.strip()

Output :

‘Hello’