

Name: Shubham S Pant

Roll: 21052951

Assignment - 01

1.) ~~Write~~ What are escape characters and how do you use them?

⇒ Escape characters are those characters that are generally used to perform certain tasks & their usage directs compiler to take a suitable action mapped to that characters.

We can use them by using '\'. (backslash).

for eg: \n → this is for a new line.

2.) What do the escape characters n & t stands for?

⇒ n stands for a new line & t stands for representing a horizontal tab in a string.

3.) What's the way to include backslash character in a string?

⇒ We can use or include backslash characters in a string by using double backslash ("\\") or by using new string.

eg: str = "This is a backslash: \\"

str = r"This is a back slash: \"

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?

⇒ It's so because the string as a whole's quoted under double quotes.

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

⇒ If we don't want to use `'\n'` character then we can use triple quote to solve because it includes multiline text with line break

eg: `str = """ this is a string.
with more than
two lines """`

or

You can use concatenation `'+'` as well.

`str = "This is a string" + \n
" with more than " + \n
" two lines".`

6.) What are the values of given expression?

`'Hello, world!' [1]`

→ `e`

`'Helloworld!' [0:5]`

→ `Hello`

`'Hello, world!' [:5]`

→ `Hello`

`'Hello, world!' [3:]`

→ `lo, world!`

7.) What are values of 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()

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

→ ['Remember', 'remember', 'the', 'fifth', 'of', 'July.']

There - can - only - one.

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

→ The methods for right-justifying is right()

left-justifying is left()

centering is center()

10.) What's the best way to remove whitespace characters from start or end?

→ We can use lstrip() → that removes leading (left) whitespace characters.

rstrip() → that removes trailing (right) whitespace characters.

strip() → removes both leading and trailing whitespace chars.