

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

**Ans:** Escape characters are useful for including special characters or formatting in strings, ensuring that they are interpreted correctly by the Python interpreter. They are preceded by a backslash (\) and alter the interpretation of the character immediately following them.

**Eg:** \n, \t, \\, \"

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

**Ans:** n stands for newline and t stands for horizontal tab

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

**Ans:** we can use double backslash \\\.

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:** That's because the single quote is inside two double quotes, so it doesn't show any error.

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

**Ans:** We can use triple quotes to avoid using escape characters(single or double) to write multiple lines of string.

""" my name is pratik

Im 26 years old

I live in Goa"""

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!':[5]

'Hello, world!':[3:]

**Ans:**

- a) 'e'
- b) 'Hello'
- c) 'Hello'
- d) 'lo, world!'

7. What are the values of the following expressions?

`'Hello'.upper()`

`'Hello'.upper().isupper()`

`'Hello'.upper().lower()`

**Ans:**

a) `'HELLO'`

b) `True`

c) `'hello'`

8. What are the values of the following expressions?

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

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

**Ans:**

a) `['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']`

b) `'-There-can-only-one.'`

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

**Ans: These methods can be used for alignment of a text within the string.**

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

**Ans: we can use functions like `strip()` to strip whitespaces from both the ends, `rstrip()` the strip spaces from right and `lstrip()` to strip spaces from left.**