

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

- In python strings, escape characters are special characters that are associated with a backslash, like `\n`, `\t`, `\r`, or just `\`. These escape characters create some kind of white space, replace some text in a string or just quote some text in a string.

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

- `\n` when printed creates a new line
- `\t` when printed creates a tab space

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

- To include a backslash character in a string use double backslash for a single 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?

- When you start a string with a double quote, that string will end with only a double quote not a single quote. So, you can use as many single quotes as you want inside a string formed with double quotes.

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

- Just write the string in different lines according to the requirement without using `\n`.

6. What are the values of the given expressions?

`'Hello, world!'[1]`

`'Hello, world!'[0:5]`

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

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

- `'e'`
- `'Hello'`
- `'Hello'`
- `'lo, world!'`

7. What are the values of the following expressions?

`'Hello'.upper()`

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

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

- `'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())`

- `['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']`
- `'There-can-only-one.'`

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

- For right-justifying: `.rjust(width, fillchar)`
- For left-justifying: `.ljust(width, fillchar)`
- For centering: `.center(width, fillchar)`

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

- To remove the whitespace characters from the start of a string, use `.lstrip()`
- To remove the whitespace characters from the end of a string, use `.rstrip()`