

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

Ans- An escape character is a sequence of characters that doesn't represent itself when used inside string literal or character. It is composed of two or more characters starting with backslash \.

eg.- `"\n Hello\t World \n"`

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

Ans- `\n`- newline & `\t`- tab

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

Ans- Add an extra `'\'` before the backslash characters.

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- Cause we have used double quotes to start the string so the single quote doesn't create a problem.

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

Ans- use triple quotes (`''' '''`) . With this you can create multi line strings 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:]`

Ans-

1. e
2. Hello
3. Hello
4. o, world!

7. What are the values of the following expressions?

`'Hello'.upper()`

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

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

Ans-

1. HELLO
2. True
3. hello

8. What are the values of the following expressions?

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

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

Ans-

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

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

Ans- `ljust()` - for left-justifying

`rjust()` - for right-justifying

`centre()` - for centering

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

Ans- `lstrip()` & `rstrip()`