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

* To insert characters that are illegal in a string, we will use an escape character. An escape character is a backslash \ followed by the character you want to insert.
* An example of an illegal character is a double quote inside a string that is surrounded by double quotes:
* Ex: txt = "We are the so-called "Vikings" from the north."
* To fix this problem, use the escape character \":
* txt = "We are the so-called \"Vikings\" from the north."

Escape characters used in python

* \' Single Quote
* \\ Backslash
* \n New Line
* \r Carriage Return
* \t Tab
* \b Backspace
* \f Form Feed
* \ooo Octal value
* \xhh Hex value

2. What do the escape characters n and t stand for?  
 \n- New Line

\t Tab

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

* syntax "\\" within the string literal to represent 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?

* The single quote in Howl's is fine because you've used double quotes to mark the beginning and end of the string.

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

* Multiline strings allow you to use newlines in strings without the \n escape character.

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'.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', 'November.']
* 'There-can-be-only-one.

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

* The rjust(), ljust(), and center() string methods, respectively

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

* The lstrip() and rstrip() methods remove whitespace from the left and right ends of a string, respectively.