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

**Ans.** In Python strings, the backslash "\" is a special character, also called the "escape" character. It is used in representing certain whitespace characters: "\t" is a tab, "\n" is a newline, and "\r" is a carriage return. Conversely, prefixing a special character with "\" turns it into an ordinary character.

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

**Ans.** "\t" is a tab, "\n" is a newline

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

**Ans.** Use the 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?**

**Ans.** 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?**

**Ans.** 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’

'Hello'.upper().isupper() ----- True

'Hello'.upper().lower() ----- ‘hello’

**8. What are the values of the following expressions?**

'Remember, remember, the fifth of July.'.split() ----- ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']

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

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

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

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

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