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

* To insert characters that are illegal in a string, use an escape character.
* An escape character is a backslash \ followed by the character you want to insert.
* Eg. txt = "My name is “Poorva” and I love Data Science"
* We will get an error if we use double quotes inside a string that is surrounded by double quotes.
* To fix this problem, we can use the escape character \"
* txt = "My name is \“Poorva\” and I love Data Science"

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

The escape characters n stand for New Line.

The escape characters t stand for Tab.

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

We can include backslash characters in a string by using an escape character \ followed by backslash characters \ . i.e. \\

txt = "This will insert one \\ 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 we’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

**'Hello'.upper().isupper() :** True

**'Hello'.upper().lower() :** hello

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

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

Ans : [‘Remember’ , ‘remember’ , ‘the’ , ‘fifth’ , ‘of’ , ‘july.’]

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

Ans : 'There-can-only- one.’

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

The rjust(), ljust(), and center() string methods are used for right-justifying, left-justifying, and centering a string 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.