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

**ANS:-**

**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.**

**An example of an illegal character is a double quote inside a string that is surrounded by double quotes:**

**Escape characters are used in Python by prefixing a backslash () to the character that needs to be represented. For example, "\n" represents a newline character, and """ represents a double quote within a string.**

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

**ANS:-**

**The "\n" escape character in Python is used to represent a newline character.**

**The "\t" escape character in Python represents a tab character**

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

**ANS:-**

To include a backslash character ("") itself in a Python string, you can use the escape sequence "\". This will represent a single backslash within the string.

**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 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?**

**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]**

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

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

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

**ANS:-**

**The expressions evaluate to the following:**

**• 'e'**

**• 'Hello'**

**• 'Hello'**

**• 'lo world**

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

**'Hello'.upper()**

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

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

**ANS:-**

The expressions evaluate to the following:

• '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())**

**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:-**

**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**