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

**Answer: When we want to insert some illegal character inside the string, we use the escape characters. An escape character is a backslash \ followed by the character you want to insert.**

**e.g double quotes are not allowed in between the string, but it is possible to do it using escape characters.**

**txt ="Hello this is "Jeet" from India." #double quotes between the string is illegal but we make it possible using escape character.**

**txt = "Hello this is \"Jeet\" from India."**

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

**Answer: n stands for new line and t for tab.**

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

**Answer: we can use \\ to include backslash characters in a 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?

**Answer: Because we have enclosed the string with the double quotes.**

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

**Answer : by using sep in the print statement. E.g, print(txt,sep="")**

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() 🡪 **splits the string with the space i.e**

**['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']**

'-'.join('There can only one.'.split()) 🡪 **after the split it will join all the elements with ‘-‘**

**There-can-only-one.**

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

**Answer: right-justifying : using rjust() 🡪 it takes to parameters len and the filling character.**

**Left-justifying : using ljust() 🡪 it takes to parameters len and the filling character.**

**Centering : using center() 🡪 it takes to parameters len and the filling character.**

**Filling character is optional , len is the width of the string we want to expand.**

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

**Answer: strip() is one method used to remove whitespace from both start and end of the string.**

**e.g txt= “ hello ineuron “**

**txt= txt.strip() 🡪 hello ineuron**