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

Ans 1: backslash “\” is called as the escape character. Using “\” we can represent some whitespace charecters like “\t” for tan space, “\n” for newline , “\r” for carriage return etc.... We use backslash by prefixing it before a single charector to consider tht character as a normal character. For eg: in a line if we want to use special charector “ in between a string, by prefixing “ with \ we can escape “ as a normal charector.

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

Ans 2: “\n” standa for newline . when the compiler encounters with \n , it moves to the next line. For eg: x = “hai \n newline”. While printing this line , we will get an output like:

hai

newline

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

Ans 3: We use backslash by prefixing it before a single charector to consider tht character as a normal character. For eg: in a line if we want to use special charector “ in between a string, by prefixing “ with \ we can escape “ as a normal charector.

4. The string "Howl's Moving Castle" is a correct value. Why the single quote character in the word Howl isn’t’s not escaped a problem?

Ans 4:

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

Ans5: By creating a list of newline we can print strings of newline.

For eg:

lst = [" " , " " , " ", " "]

for i in range(len(lst)):

print(lst[i])

6. What are the values of the given expressions?

Ans 6:

'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?

Ans 7:

'Hello'.upper()

'HELLO'

'Hello'.upper().isupper()

True

'Hello'.upper().lower()

'hello'

8. What are the values of the following expressions?

Ans 8:

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

It will be a list of all the words in the above string.

['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 9: For right-justifying we use rjust() method. For left-justifying we use ljust() method.

For centering a string we use ccenter() method.

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

Ans 10: Using rstrip() can remove whitespace characters from the end , Using lstrip() can remove whitespace characters from the start.