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.

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

**problem**  : txt = "We are the so-called **"Vikings"** from the north."

You will get an error if you use double quotes inside a string that is surrounded by double quotes

To fix this problem, use the escape character \":

The escape character allows you to use double quotes when you normally would not be allowed:

**solution**  : txt = "We are the so-called **\"Vikings\"** from the north."

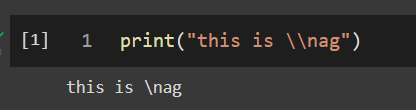
2. What do the escape characters n and t stand for?

It is used in representing certain whitespace characters: "\t" is a tab, "\n" is a newline.

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

Use double backslash

Ex:



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 you've used double quotes to mark the beginning and end of the string. In this way we can use double quotes inside triple quoted strings too in python.

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

By using print statement. It will print new line everytime we call print().

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:] ⇒ ‘o, 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?

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

Three of the methods expect 2 parameters like

**len** : The width of string to expand it.

**fillchr** (optional): The character to fill in remaining space.

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

By using the strip() method of string.

Ex:

sent = “ My name is Nagendra ”;

sent.strip();

