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

Ans:- Escape characters represent characters in string values that would otherwise be difficult or impossible to type into code

Example:-

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

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

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

Example: -

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

txt = "We are the so-called \"Vikings\" from the north

\' Single Quote

\\ Backslash

\n New Line

\r Carriage Return

\t Tab

\b Backspace

\f Form Feed

\ooo Octal value

\xhh Hex value

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

Ans:- n is a new line; \t is a tab

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

Ans:- The \\ escape character will represent a backslash character.

1. 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 you've used double quotes to mark the beginning and end of the string.

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

Ans:- Multi-line 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:- The expressions evaluate to the following:  
  
['Remember,', 'remember,', 'the', 'fifth', 'of', 'November.']  
  
'There-can-be-only-one.'

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

Ans:- The rjust(),ljust(), and center() string methods, resprectively.

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.