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

Ans: An escape character is a backlash(\) followed by the character we want to insert, these characters are generally illegal in a string therefore we use an escape character.

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

Ans: Escape character \n stands for newline and \t stands for tab.

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

Ans: We can use two backlashes to represent a backlash in a string i.e “\\”.

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:“Howl's Moving Castle” is correct because of the double quotes. We can use a backlash to escape the problem : ‘Howl\'s Moving Castle’

this will give the following output on print: Howl's Moving Castle.

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

Ans: we can use multiline string to use newlines without using the \n character. Multiline string can be written using triple single quotes i.e ‘‘‘ string’’’

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

Ans:

'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'.upper().isupper()

'Hello'.upper().lower()

Ans:

'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()

'-'.join('There can only one.'.split())

Ans:

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

->['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']

'-'.join('There can only one.'.split())

-> ‘There-can-only-one’

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

Ans: The methods for right-justifying, left-justifying, and centering a string are rjust(), ljust(), center() respectively.

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

Ans:The best method to remove whitespace characters from the start or end is by using lstrip() and rstrip() respectively.