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

Some special characters, by default, can’t be used inside a string. For eg, double quotes (“). Normally, strings can be placed inside double quotes and if the string itself contain a double quote, it might get misunderstood as end of string.

To include such special characters inside a string, we can use escape character. Thus it avoids the confusion and those characters will be treated differently.

Back slash (\) is commonly used as escape character.

**Example**:

quote = “We are called \“The Canuks\” of the North”

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

\n = new line

\t = tab space

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

Prefix it with another backslah.

**Example**:

“It is noted as 5 \\ 4”

**Output**:

It is noted as 5 \ 4

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 string itself is enclosed within double quotes. Thus, there is no confusion as to whether the single quote mark the end of string or any special meaning.

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

Place them within triple quotes.

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()

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

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

**Ans: '**There-can-only-one.'

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

**To center string,**

center( len, fillchr )

**Eg**:

|  |
| --- |
| heading = 'Assignment 6'  heading.center(20,' ') |

**Output**:

' Assignment 6 '

**Left justify:**

ljust( len, fillchr )

**Eg**:

|  |
| --- |
| heading = 'Assignment 6'  heading.ljust(20,' ') |

**Output**:

'Assignment 6 '

**Right justify:**

rjust( len, fillchr )

**Eg**:

|  |
| --- |
| heading = 'Assignment 6'  heading.rjust(20,' ') |

**Output**:

' Assignment 6'

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

strip() method can be used to remove whitespace from start or end.

**Example:**

heading = ' Assignment 6 '

heading.strip()

**Output**:

'Assignment 6'