

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

Ans:

An escape character is a backslash \ followed by the character you want to insert.

To insert characters that are illegal in a string, use an escape character.

Example:

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

We will get an error if we 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 \":

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

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

Ans:

\n stands for New Line

\t stands for Tab

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

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

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?

Ans: The single quote in "Howl's Moving Castle" is fine because we have used double quotes at the beginning and end of the string.

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

Ans: Multi-line strings are used for newlines in strings without the `\n` escape character.

Example:

```
x = """I am learning Python.I love Software Testing Material.Best site to learn Python."""
```

```
print(x)
```

o/p:

I am learning Python.

I love Software Testing Material.

Best site to learn Python.

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()

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

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

o/p --> 'There-can-only-one.'

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

Ans:

right-justifying --> rjust()

left-justifying --> ljust()

Centering --> center()

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

Ans: **rstrip()**, and **lstrip()** methods remove whitespace characters from the start and end respectively.