

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

Ans: An escape character is a backslash \ followed by the character we 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: \\

```
S = " Sai \\ Bharadwaja "
```

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 is fine because we used double quotes to mark 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 allow you to use newlines in strings without the \n escape character.

```
s = """This is 1st line
```

```
This is 2nd line
```

```
This is 3rd line
```

```
"""
```

```
print(s)
```

6. What are the values of the given expressions?

`'Hello, world!'[1]`

`'Hello, world!'[0:5]`

`'Hello, world!':5]`

`'Hello, world!'[3:]`

Ans:

`S = 'Hello, world!'`

`S[1] = 'e'`

`S[0:5] = 'Hello'`

`S[:5] = 'Hello'`

`S[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', '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, respectively.

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

Ans:

`Lstrip()` and `rstrip()` methods remove whitespace from the left and right ends of a string