Escape Characters in Python

Escape characters are used in strings to insert characters that are illegal in a string. For example, to include double quotes inside a string, you can use the escape character \.

Common Escape Characters

1. Newline (\n)

Inserts a new line in the text at the specified point.

```
text = "Hello,\nWorld!"
print(text)
# Output:
# Hello,
# World!
```

2. Backslash (\\)

Inserts a backslash character in the text.

```
text = "This is a backslash: \\"
print(text)
# Output: This is a backslash: \
```

3. Single Quote (\')

Inserts a single quote character in the text.

```
text = 'It\'s a beautiful day!'
print(text)
# Output: It\'s a beautiful day!
```

4. Double Quote (\")

Inserts a double quote character in the text.

```
text = "He said, \"Hello, World!\""
print(text)
# Output: He said, "Hello, World!"
```

5. Tab (\t)

Inserts a tab space in the text.

```
text = "Hello,\tWorld!"
print(text)
# Output: Hello,   World!
```

6. Backspace (`\b`)

Inserts a backspace character in the text.

```
text = "Hello, \bWorld!"
print(text)
# Output: Hello,World!
```

7. Carriage Return (`\r`)

Inserts a carriage return in the text.

```
text = "Hello,\rWorld!"
print(text)
# Output: World!
```

8. Form Feed (`\f`)

Inserts a form feed in the text.

```
text = "Hello,\fWorld!"
print(text)
# Output: Hello,World!
```

9. Octal Value (`\ooo`)

Inserts a character based on its octal value.

```
text = "\110\145\154\154\157"
print(text)
# Output: Hello
```

10. Hex Value (`\xhh`)

Inserts a character based on its hex value.

```
text = "\x48\x65\x6c\x6c\x6f"
print(text)
# Output: Hello
```

Raw Strings

In raw strings, escape characters are not processed. You can create a raw string by prefixing the string with `r` or `R`.

```
text = r"This is a raw string: \n will not be processed"
print(text)
# Output: This is a raw string: \n will not be processed
```

Stay Updated

Be sure to this repository to stay updated with new examples and enhancements!

License

This project is protected under the MIT License.

Contact

Panagiotis Moschos - pan.moschos86@gmail.com

Note: This is a Python script and requires a Python interpreter to run.

Happy Coding

Made with by Panagiotis Moschos (https://github.com/pmoschos)