# **Use of Quotes and different types**



In Python, quotes are used to denote strings, which are sequences of characters. There are three types of quotes used for defining strings: single quotes ("), double quotes ("), and triple quotes ("" or """"). Each type has its specific use cases and behavior.

## Single Quotes (') and Double Quotes (")

- Single quotes and double quotes can be used interchangeably to define strings.
- They are useful when you need to include apostrophes or quotation marks inside a string without escaping them.
- Example:

```
single_quoted_string = 'This is a single-quoted string.'
```

double\_quoted\_string = "This is a double-quoted string."

# Triple Quotes ("' or `""")

- Triple quotes allow you to create multiline strings in Python.
- They preserve the line breaks and formatting within the string.
- Triple single quotes ("") and triple double quotes (""") are functionally equivalent.
- They are commonly used for docstrings (documentation strings) to provide documentation for functions, classes, modules, or scripts.

#### **Example:**

```
multiline_string = "'This is a
multiline
string."'
```

• Triple quotes are also used when you need to include single quotes or double quotes inside a string without escaping them.

### **Example:**

```
triple_quoted_string = "'She said, "Hello!"""
```

Triple quotes are useful for defining regular expressions, SQL queries, or other text blocks that span multiple lines.

In summary, single quotes and double quotes are primarily used for single-line strings, while triple quotes are used for multiline strings, docstrings, or strings containing both single and double quotes.

The choice between single quotes and double quotes is mostly a matter of personal preference or coding style conventions within a project.