

Interacting with the user

print a message	<code>print("Hello, World!")</code>
asking the user for a string	<code>print("What is your name? ")</code>

Definitions:

strings – assigning a value to a variable

Options in Python

```
X = 3
If X == 3:
print("x is 3")
Number = 80
If Number >= 50:
print("Close")
Elif Number < 50:
print("Far")
Else:
print ("too far")
```

Text

single quoted	<code>'example'</code>
double quoted	<code>"example"</code>
multi-line	<code>''' Hello,</code>
concatenating strings (adding strings together)	<code>'Hello' + 'World'</code>
converting strings to integers	<code>int('467')</code>

Definitions:

integers – positive or whole numbers with no decimal point

Variables

creating a variable	<code>name = "Lisa"</code>
using a variable	<code>print("My name is ") + name</code>

Definitions:

variable – can be used to store data like integers, decimals, and characters.

Maths in Python

addition and subtraction	<code>2 + 2 - 3</code>
multiplication and division	<code>10*5/5</code>
Powers (e.g. x to the power of y)	<code>3**5</code>
Converting integers to strings	<code>str(511)</code>

