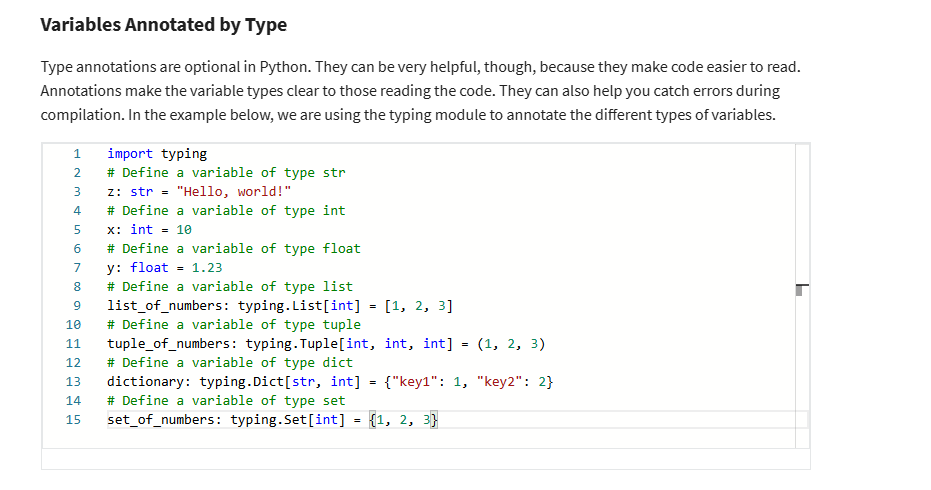
Implicit conversion

When we add the one int and the one float int convert in to float and as well as after adding that return the values as float also

Explicit conversion

When we want to concatenate a int to the string that time we need convert int to string usigng type casting ,type converting str(int)

* Implicit made by automatically with python and explicit we need to manually convert types



Function

Def function\_name(para1,para2):

Para = para1+ para2

Return para,para2,para3

A,b,c = function\_name(4,30

6//2.5 flow devition devide num and get only integer part

6%2.5 devide number and get reminder

Find the length of variable or string length = len(vsrisbsle\_name)

Branching

When we use branching in the python we need to start with new block and end with colon

A screenshot of a computer program

Description automatically generated

Assignment operation

X += 1 === x=x+1

X /=2 === x=x/2

Looping

**While loop**

While condition:

Inner operations

**For loop**

The **in** keyword, when used with the **range()** function, generates a sequence of integer numbers, which can be used with a **for** loop to control the start point, the end point, and the incremental values of the loop.

For I in range(start,end+1,increment)

**range(start, stop, step)**

**range(5)=range(0,6)=range(0,6,1)**

also we can use array for the range to create specific no to create the loop

for i in [8, 9, 10]:

print(i)

slicing string and joining string

string1 = "Greetings, Earthlings"

print(string1[0])   # Prints “G”

print(string1[4:8]) # Prints “ting”

print(string1[11:]) # Prints “Earthlings”

print(string1[:5])  # Prints “Greet”

print(string1[0::2])    # Prints “Getns atlns”

print(string1[::-1])    # Prints “sgnilhtraE ,sgniteerG”

greetings = ["Hello", "world"]

print(" ".join(greetings))  # Prints "Hello world"

You can also concatenate a combination of strings and variables like in the following example.

name = "Alice"

print("Hello, " + name + "!")  # Prints "Hello, Alice!"

List in python

fruits = ["Pineapple", "Banana", "Apple", "Melon"]

len(fruits)

type(fruits)

fruits.insert(0, "Orange")

fruits.insert(25, "Peach")

fruits.remove("Melon")

fruits.pop(3)

fruits[2] = "Strawberry"

print(fruits)