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# Basic input:

String:

a = input()

Integer

a = int(input())

Float

a = float(input())

# Take multiple input in one line:

first\_line = input()

values = first\_line.split()

input1 = int(values[0])

input2 = float(values[1])

NB: inputs should be space separated. Ex: 27 52.85

# One type of value in all one-line:

a, b, c, d = list(map(int, input().split()))

Or,

a, b, c, d = map(int, input().split())

map() function returns a map object(which is an iterator) of the results after applying the given function to each item of a given inerrable (list, tuple etc.)

only map:

* When we use map, **one variable** but put one/multiple value: it will show the location.
* When we use map, **multiple variables**: then we must put multiple values (as many as the variables).

Map with list:

* When we use a list with map, **one variable**, one/multiple value: it will show one/all in an array.
* When we use a list with map, **multiple variable**: then we must have to put multiple value (as many as the variables).

# Multi type value in all one-line:

inputs = input().split()  # Take input as a string and split into a list

a = float(inputs[0])  # Convert the first element to float

b, c = map(int, inputs[1:])  # Convert remaining elements to integers

Here, [1:] is array slicing.