

# Why do I need to worry about words and numbers with `input`?

Datatypes and Casting in Python

# unit 2

## Datatypes in Python

Q: What are the most-used kinds of data in Python?

A: integers, floats, and strings

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## Datatypes in Python

Type	Description	Example
<code>int</code>	Integer, i.e., counting number	2
<code>float</code>	Decimal number	2.34
<code>str</code>	String, i.e., words and sentences	"Bob Bear"

Notice the quotation marks!

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Q: How do I “convert” from one type to another?

A: typecasting!

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## Typecasting in Python

e.g.

```
age = input ("How old are you?")  
age = int (age) #convert from str to int
```

e.g.

```
temp = input ("What is your temperature?")  
temp = float (temp) #convert from str to float
```

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## REMEMBER:

When using the `input` instruction, the computer will always think that the datatype of what is typed by the human is `str`!

And it's your responsibility to typecast according to your needs.