

Input and print in Python



Hello
World!



Input strings
and numbers



Printing different
types of data



Simple
formatting



Input prompt

print()

The print function displays
information to the user

Code

```
print('Hello World')
```



print function
displays the text

Result




Run the
code

Code

```
print('Hello World')
```

Result

Hello World



The print function displays the text

A blue callout box with a pointer directed at the text 'Hello World' in the result section.

input()

The input function accepts
information from the user

Code

```
s = input('What day is it?')  
print(s)
```



input function gets
information from the
user

Result

Code

```
s = input('What day is it?')  
print(s)
```



The response is
stored in variable s

Result



Run the
code

Code


```
s = input('What day is it?')  
print(s)
```

Result

What day is it?

Tuesday

Tuesday



The user types in
a response

Asking the user for a number

Code

```
s = input('What is the year?')  
y = int(s)  
print(y)
```



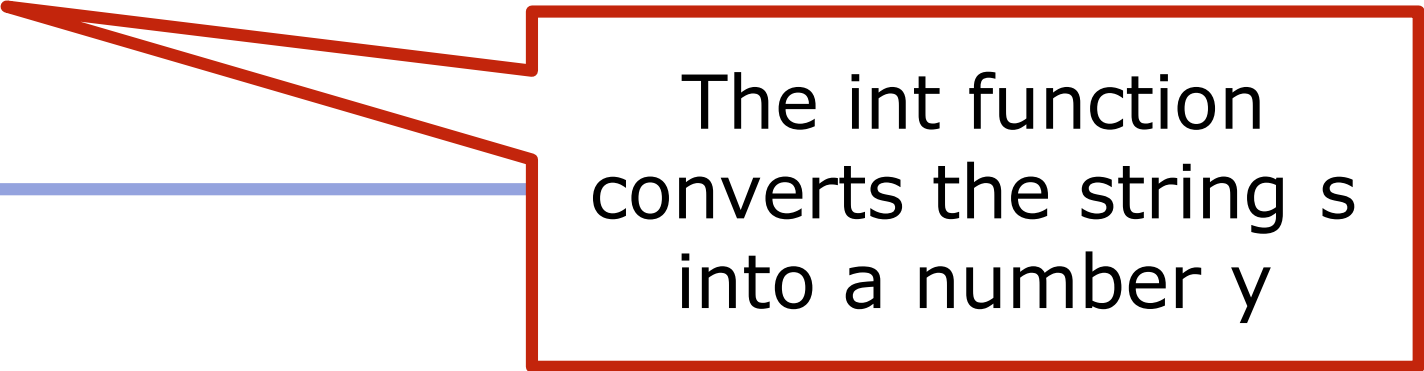
input function gets
information from the
user

Result



Code

```
s = input('What is the year?')  
y = int(s)  
print(y)
```



The int function
converts the string s
into a number y

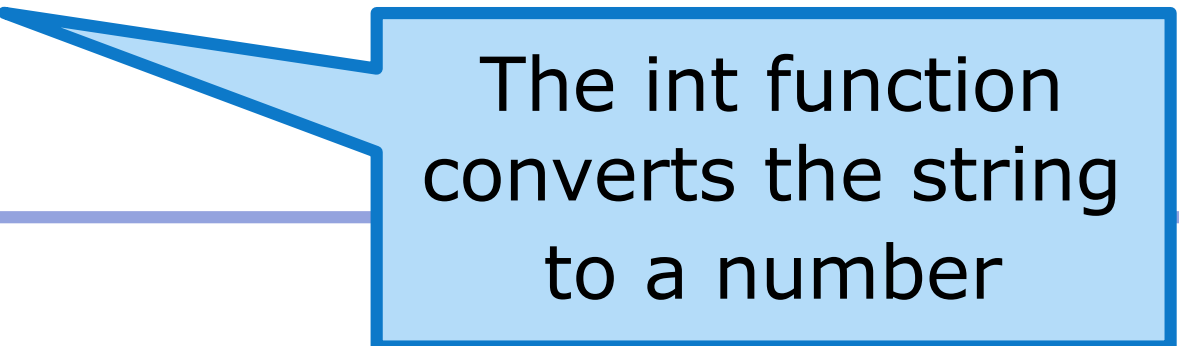
Result



Run the
code

Code

```
s = input('What is the year?')  
y = int(s)  
print(y)
```



The int function
converts the string
to a number

Result

```
What is the year?  
1066  
1066
```



print displays it

Code

```
x = 'string data'  
print(x)
```

Result

```
string data
```

Code

```
x = 2 + 3  
print(x)
```

Result

5

Code

```
x = 0.5 * 3.0  
print(x)
```

Result

1.5

Code

```
x = datetime.now()  
print(x)
```

Result

```
2016-01-07 17:37:01.368503
```

Code

```
print(1)  
print(2)  
print(3)
```



Several
separate print
statements

Result

```
1  
2  
3
```



Each output starts
on a new line

Code

```
print('abc')  
print()  
print('def')
```



Empty print
statement

Result


```
abc  
  
def
```



Blank line

Code


```
print(1, 2, 3)
```



Several items
in one print
statement

Result

```
1 2 3
```



Each item
separated by
a space

Code

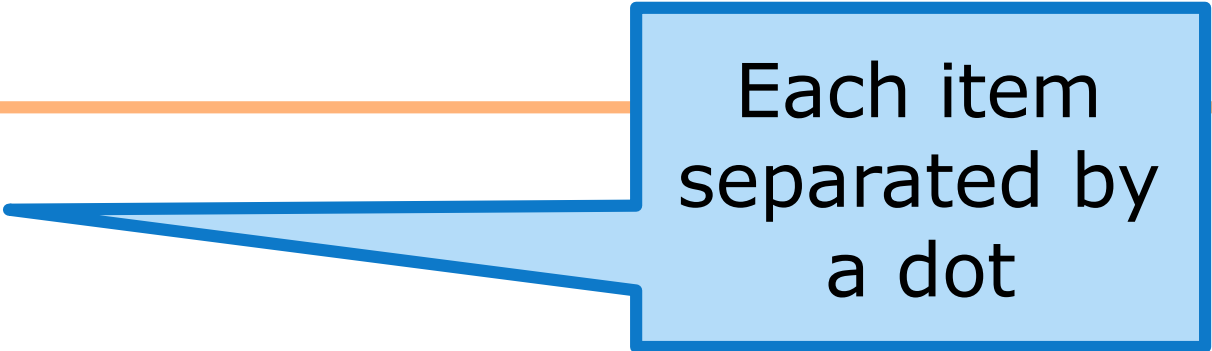
```
print(1, 2, 3, sep='.')
```



Using the sep parameter

Result

1.2.3



Each item separated by a dot

Code

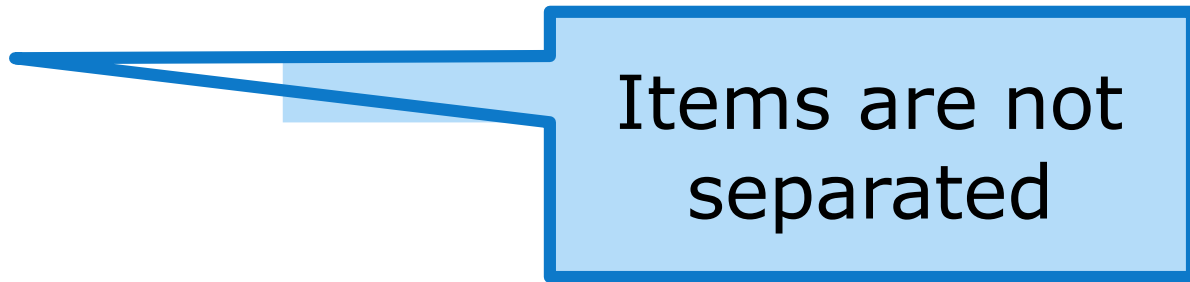
```
print(1, 2, 3, sep="")
```



Using the sep parameter with an empty string

Result

123



Items are not separated

s = 'abc'

empty = ""

Two quotes characters
with no other characters
between them

Code

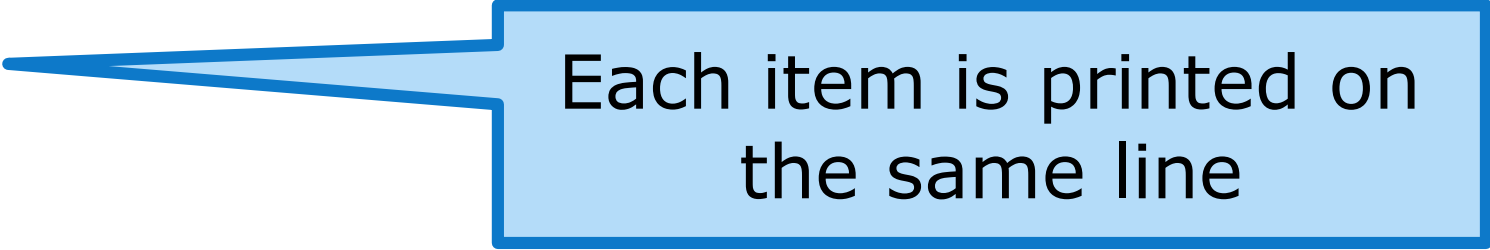
```
print(1, end="")  
print(2, end="")  
print(3)
```



Using the end parameter

Result

123



Each item is printed on the same line



Hello
World!



Input strings
and numbers



Printing different
types of data



Simple
formatting



Input prompt

The input prompt doesn't
have to be a question

Code

```
s = input()
```

Result

Code

```
print('You are in the haunted library. There')  
print('is a book of spells on the table.')  
s = input()
```

Result

You are in the haunted library. There is a book of
spells on the table.