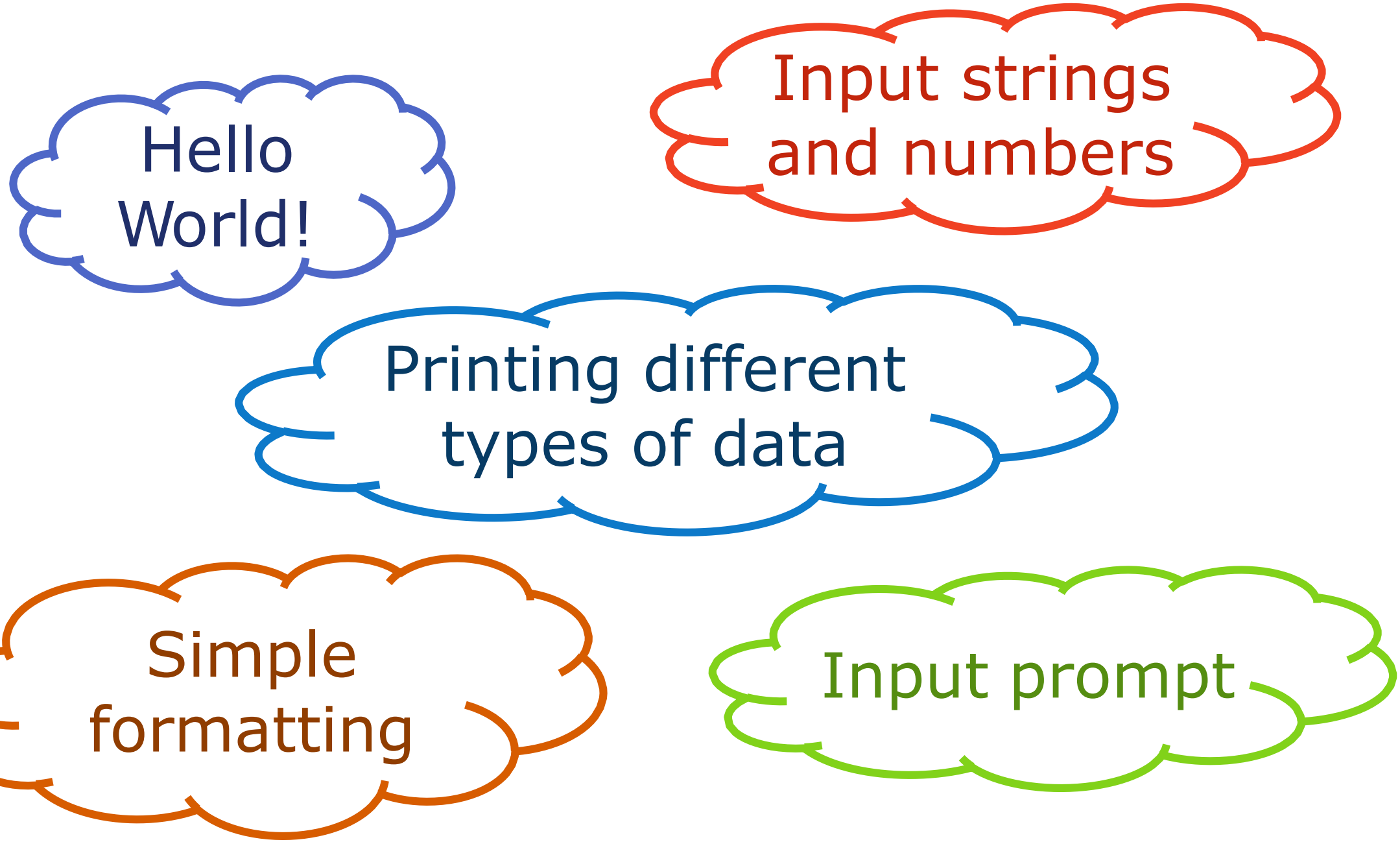
Input and print in Python

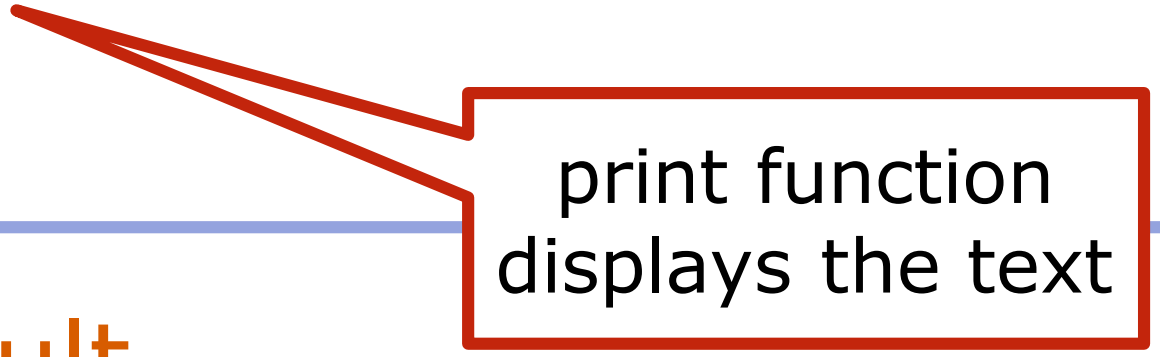

Hello World!
Input strings and numbers
Printing different types of data
Simple formatting
Input prompt

print()

The print function displays information to the user

Code

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



Result

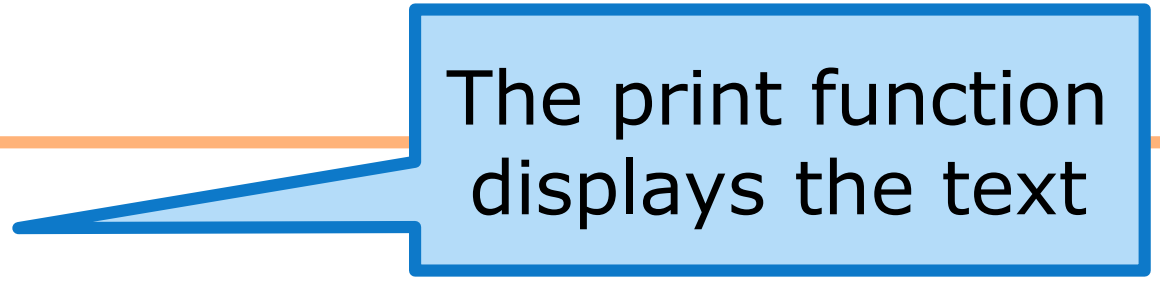
Run the code

Code

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

Result

```
Hello World
```



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

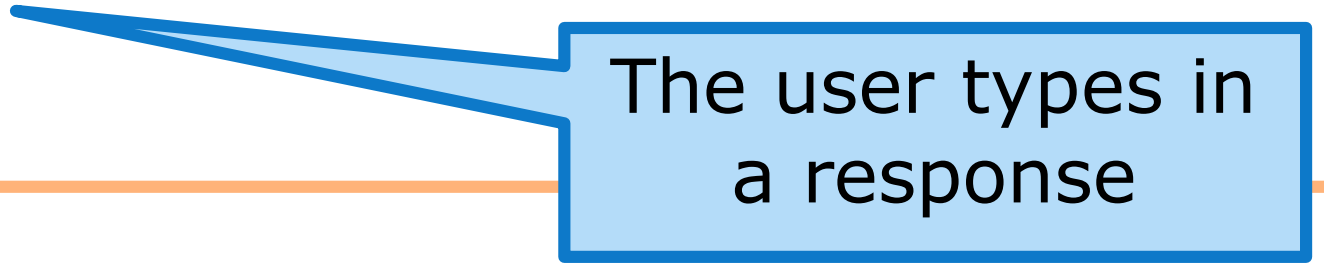
Code

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

Result

```
What day is it?
Tuesday

Tuesday
```



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 and empty string

Result

```
123
```

Items are not separated

```
s = 'abc'

empty = ''
```

Two quotes characters with no other characters between them

Code

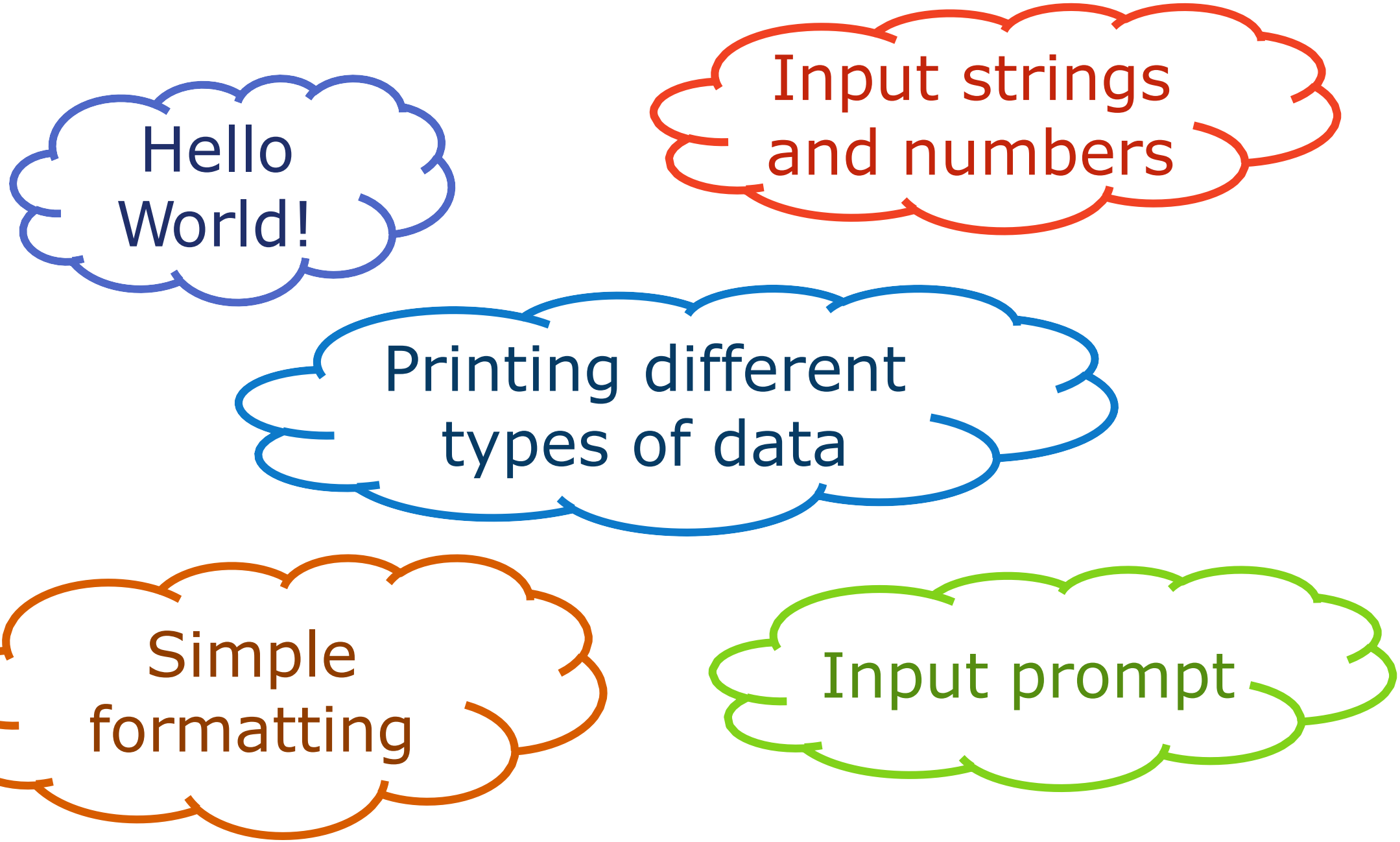
```
print(1, end='')
print(2, end='')
print(3)
```

Using the end parameter

Result

```
123
```

Each item is printed on the same line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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.
```