Text Formatting

Human-Readable

*Structured data

Most common formats

JSON
XML
TEXT-CSV
Others

XML -> Markups

<name attr1="value1" attr2="value2" ...>
    <other>...</other>
</name>

```
<people>
  <person>X
    <name>Ana Diaz</name>
    <age>32</age>
    ...
  </person>
  <person>
    <name>Juan Gomez</name>
    <age>28</age>
    ...
  </person>
  ...
</people>
```

?

We can make several mistakes

?

Non Human-Readable
people;person:Ana Diaz&32&...

JSON's formatting   Based on Dictionary (key-value)

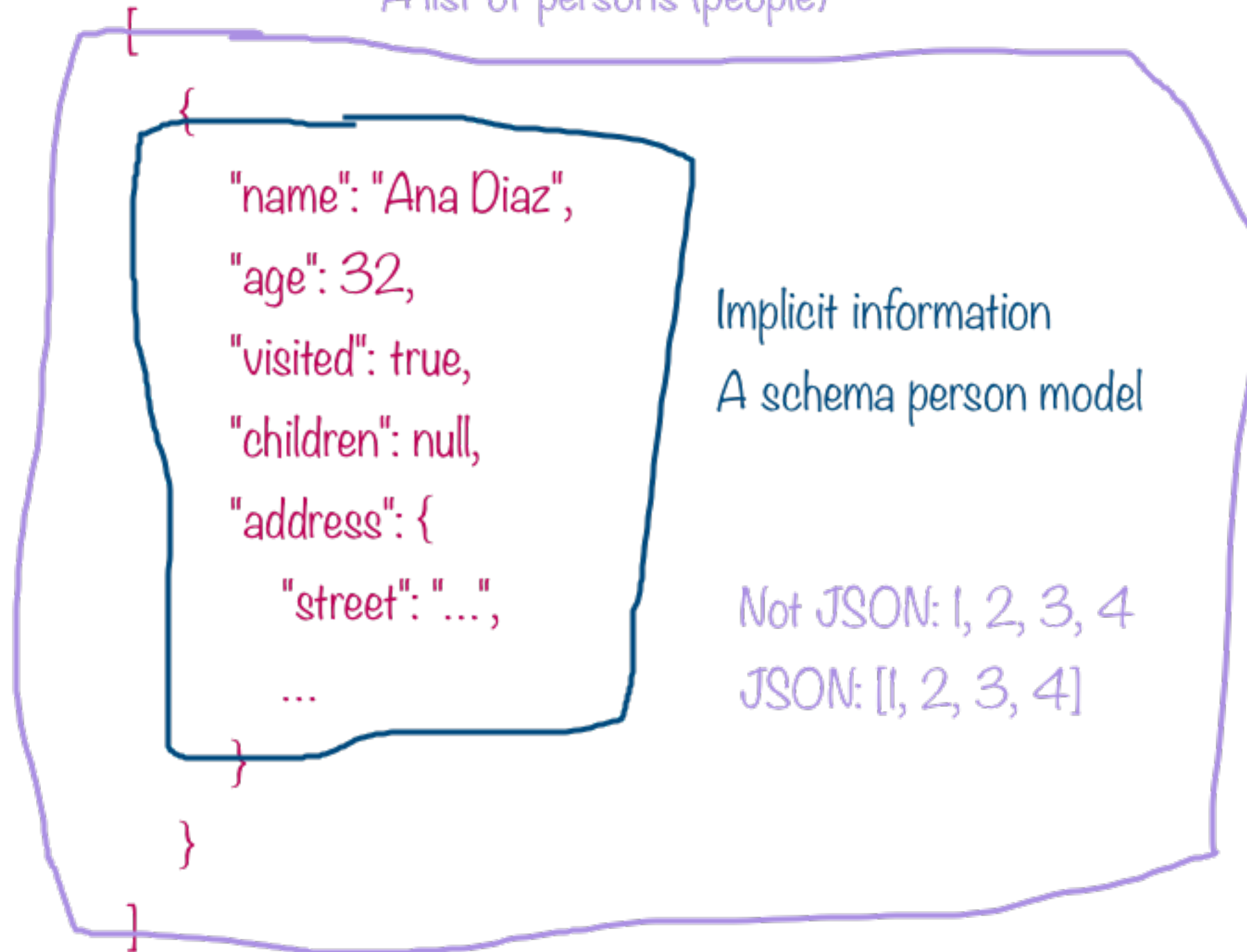Like Programming Style

Supported data types   A list of persons (people)

Numbers

Strings

Booleans   "name": "Ana Diaz",

Nulleables   "age": 32,   Implicit information

Objects (dictionaries) {:}   "visited": true,   A schema person model

Arrays (lists) [,]   "children": null,

                                          "address": {

                                              "street": "...",   Not JSON: 1, 2, 3, 4

Data must be into a   ...   JSON: [1, 2, 3, 4]

collection ({} or [])

* Single-data is valid

For accessing to data, we need to
parsing the json's data into a variables
and objects inside our program.

ex.json

parse

import json

ex = json.loads(...)

prog.py