



# YAML

A hand-drawn orange underline consisting of two slightly wavy lines.

29, abc, 105, pune, abc@gmail.com

meaningless → raw data

Serialization format

XML

<person>

<name> abc </name>

<age> 29 </age>

<email> abc@.. </email>

⋮

</person>

Json

{

"name": "abc",

"age": 29,

"email": "abc@...",

⋮

}

YAML

name: abc

age: 29

email: abc@gmail.com...

house No: 105

⋮

# Overview



- YAML is the abbreviated form of “YAML Ain’t Markup Language”
- It is a data serialization language which is designed to be human -friendly and works well with other programming languages for everyday tasks
- It's often used as a format for configuration files
- It's also easy to for humans to read, which is why it's a good choice for configuration
- It is useful to manage data and includes Unicode printable characters

# Features



- Matches native data structures of agile methodology and its languages such as Perl, Python, PHP, Ruby and JavaScript
- YAML data is portable between programming languages
- Includes data consistent data model
- Easily readable by humans ✂ ✂ ✂
- Supports one-direction processing
- Ease of implementation and usage

# Basics

name & Name are different



- YAML is case sensitive
- The files should have .yaml or .yml as the extension
- YAML does not allow the use of tabs while creating YAML files; spaces are allowed instead
- Comment starts with #
- Comments must be separated from other tokens by whitespaces

# Scalars



- Scalars in YAML are written in block format using a literal type
- E.g.
  - Integer
    - 20
    - 40
  - String
    - Steve
    - "Jobs"
    - 'USA'
  - Float
    - 4.5
    - 1.23015e+3

# Mapping



- Represents key-value pair
- The value can be identified by using unique key
- Key and value are separated by using colon (:)
- E.g.

name: person1

address: "India"

phone: +9145434345

age: 40

hobbies:

- reading

- playing

# Sequence



- Represents list of values
- Must be written on separate lines using dash and space
- Please note that space after dash is mandatory
- E.g.

# pet animals

- cat

- dog

# programming languages

- C

- C++

- Java



# Sequence



- Sequence may contains complex objects
- E.g.
  - products:
    - **title**: product 1  
**price**: 100  
**description**: good product
    - **title**: product 2  
**price**: 300  
**description**: useful product