

YAML

YAML Ain't Markup Language
Yet Another Markup Language

YAML, JSON, XML

YAML Extensions: .yaml and .yml

Key: Value
Pair

LIST

Ordered sequence of related objects

- apple
- banana
- grapes
- mango

DICTIONARY

Unordered sequence of objects that have a common factor

Person:
Name: Ansible
Age: 35 yrs
Hometown: Gujarat

DICTIONARY IN LIST

Fruits
- apple:
 Calories: 105kcal
 Fat: 2.2g
 Carbs: 32g
- banana
- grapes:
 Protein: 1.2g
 Carbs: 21g
- mango

LIST IN DICTIONARY

Person:
Name: Ansible
Age: 35 yrs
Hobbies:
 - Cricket
 - Music
 - Travelling
Hometown: Gujarat

QUERY:

What is the Carbs value of Grapes?
--> Fruits[2].Carbs == 21g

What is the third hobby of Person?
--> Person.Hobbies[2] == Travelling

Major Syntax Factors for YAML

Indentation
Dash
Colon

YAML vs. JSON

YAML

```
---  
- name: Our first Playbook  
  hosts: all  
  tasks:  
    - name: Install Haproxy  
      yum:  
        name: haproxy  
        state: present  
    - file:  
        path: /new  
        mode: "555"  
        state: directory  
- name: Play 2 of 1st Playbook  
  hosts: redhat  
  tasks:  
    - name: Copy a file  
      copy:  
        src: content.txt  
        dest: /
```

```
[  
  {  
    "name": "Our first Playbook",  
    "hosts": "all",  
    "tasks": [  
      {  
        "name": "Install Haproxy",  
        "yum": {  
          "name": "haproxy",  
          "state": "present"  
        }  
      },  
      {  
        "file": {  
          "path": "/new",  
          "mode": "555",  
          "state": "directory"  
        }  
      }  
    ]  
  },  
  {  
    "name": "Play 2 of 1st Playbook",  
    "hosts": "redhat",  
    "tasks": [  
      {  
        "name": "Copy a file",  
        "copy": {  
          "src": "content.txt",  
          "dest": "/"  
        }  
      }  
    ]  
  }  
]
```

FIRST PLAYBOOK

PlayBook

A file which can contain multiple plays

Play

A set of tasks to be executed on a particular set of hosts

Numeric Values are to be written in Inverted Commas, otherwise they will be ignored

```
--- # Document Marker  
  
- name: Our first Playbook # Writing 1st Play  
  hosts: all  
  tasks:  
    - name: Install Haproxy # First Task  
      yum:  
        name: haproxy  
        state: present  
    - file: # Second Task  
        path: /new  
        mode: "555"  
        state: directory  
  
- name: Play 2 of 1st Playbook # Second Play  
  hosts: redhat  
  tasks:  
    - name: Copy a file # First Task of Second Play  
      copy:  
        src: content.txt  
        dest: /
```