

YAML

YAML Ain't Markup Language
Yet Another Markup Language

`.yaml`
`.yml`

key: value pair

LIST

Fruits:
- Apple
- Banana
- Mango
- Grapes

DICTIONARY

Person:
Name: ABC
Age: 45
Hometown: Ahm
Hobbies: Music

DICTIONARY in LIST

- Apple:
 Calories: 56kcal
 Fat: 1.1g
 Protein: 4.5g
- Banana:
 Fat: 3.1g
 Protein: 2.3g
- Mango:
 Calories: 125kcal
 Fat: 12g
- Grapes

LIST in DICTIONARY

Person:
Name: ABC
Age: 45
Hometown: Ahm
Hobbies:
 - Music
 - Cricket
 - Football

DICTIONARY in LIST

JSON

Vs.

YAML

```
{
  "Fruits": [
    {
      "Apple": {
        "Calories": "56kcal",
        "Fat": "1.1g",
        "Protein": "4.5g"
      }
    },
    {
      "Banana": {
        "Fat": "3.1g",
        "Protein": "2.3g"
      }
    },
    {
      "Mango": {
        "Calories": "125kcal",
        "Fat": "12g"
      }
    }
  ],
  "Grapes"
}
```

```
---
Fruits:
- Apple:
  Calories: 56kcal
  Fat: 1.1g
  Protein: 4.5g
- Banana:
  Fat: 3.1g
  Protein: 2.3g
- Mango:
  Calories: 125kcal
  Fat: 12g
- Grapes
```

LIST in DICTIONARY

JSON

Vs.

YAML

```
{
  "Person": {
    "Name": "ABC",
    "Age": 45,
    "Hometown": "Ahm",
    "Hobbies": [
      "Music",
      "Cricket",
      "Football"
    ]
  }
}
```

Person:
Name: ABC
Age: 45
Hometown: Ahm
Hobbies:
 - Music
 - Cricket
 - Football

Queries in YAML

Fruits:
- Apple:
 Calories: 56kcal
 Fat: 1.1g
 Protein: 4.5g
- Banana:
 Fat: 3.1g
 Protein: 2.3g
- Mango:
 Calories: 125kcal
 Fat: 12g
- Grapes

Banana -- Protein Value

Fruits[1].Protein == 2.3g

Grapes

Fruits[3] == grapes

Mango -- Fat Value

Fruits[2].Fat == 12g

Person:
Name: ABC
Age: 45
Hometown: Ahm
Hobbies:
 - Music
 - Cricket
 - Football

Person -- 3rd Hobby

Person.Hobbies[2] == Football

Person -- Hometown

Person.Hometown == Ahm

PLAYBOOK

```
- name: First Play                                # Name of First Play
hosts: all                                       # Where to run this playbook
tasks:                                          # All tasks to be executed
  - name: Install a Package                    # Name of Task
    yum:                                       # Name of module to be used
      name: httpd                             # info regarding the module
      state: present
  - name: Start the Service
    service:
      name: httpd
      state: started

- name: Second Play
hosts: all
tasks:
  - name: Create a file
    file:
      path: /home/new.txt
      state: touch
```