

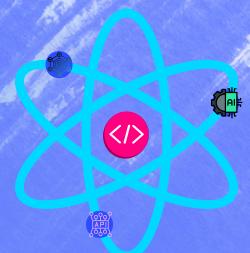
HOW DOES JSON LOOK ?

```
{  
  "name": "Arshad",  
  "age": 20,  
  "course": "BTech",  
  "isStudent": true  
}
```



JSON KE BASIC RULES

Data key : value pair me hota hai
Key hamesha string hoti hai
Curly braces { } object ke liye
Square brackets [] list ke liye
Last item ke baad comma ✗ nahi hota



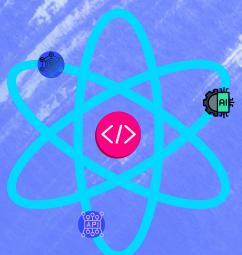


JSON DATA TYPES

JSON Type	Example
String	"name": "Laptop"
Number	"price": 45000
Boolean	"available": true
Array	"colors": ["red", "blue"]
Object	"specs": {"ram": "8GB"}
null	"discount": null

JSON VS DICTIONARY

- JSON me True ✗ → true ✓
- JSON me comments ✗
- JSON file hoti hai: .json



READ JSON

```
import json  
  
with open("data.json", "r") as f:  
    data = json.load(f)  
  
print(data["users"]["arshad"]["wins"])
```

WRITE JSON

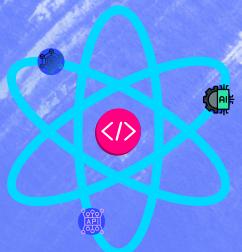
```
import json  
  
data["users"]["arshad"]["wins"] += 1  
  
with open("data.json", "w") as f:  
    json.dump(data, f, indent=4)
```

FILE EXAMPLE

```
{  
  "users": {  
    "arshad": {  
      "password": "1234",  
      "wins": 4,  
      "losses": 2  
    }  
  }  
}
```

COMMON MISTAKES

- ✗ Single quotes
- ✗ Last comma
- ✗ Capital True/False
- ✗ Comments in JSON



RPS GAME

**SOURCE CODE TO BE
SHARED SOON ...**

**EXPLAINED ON VS
CODE**