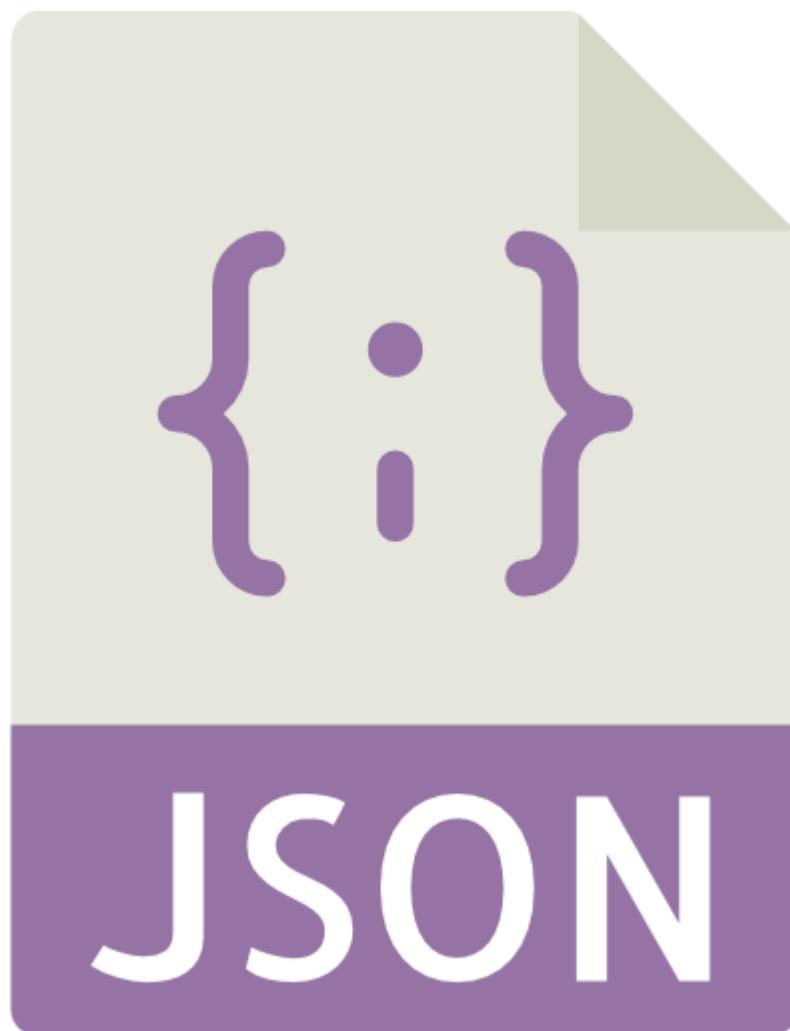


JSON Writing Rules

— The “No-Confusion” Survival Guide



Let's clear the basics

What is json ?

JSON (JavaScript Object Notation) is a **lightweight data format** used to **store and exchange data** between a server and a client (like between a backend and a frontend).

It's **easy for humans to read** and **easy for machines to parse**.
It looks a bit like a JavaScript object — that's where it got its name!

Why do I need this ?

You need JSON to **store and share data** between your website or app and the server — in a simple, easy-to-read format.

How to create a JSON file ?

Name the file anything you want, but make sure the extension is **.json**.

Example: **apple.json**

What is the syntax of JSON ?

Syntax:

```
{  
  "key": "value"  
}
```

Example:

```
{  
  "Name" : Rohit,  
  "age": 21,  
  "isStudent": true,  
  "skills": ["HTML", "CSS", "JavaScript"]  
}
```

Confusion buster

We can write .json files, so json is a file format or a language ?

JSON is a file format, not a programming language.

It stands for **JavaScript Object Notation**, and it's a **data format** used to store and exchange data (usually between server and client).

Can we write id or key without quote or is it mandatory ?

No. It's mandatory to use double quotes (" ") for keys.

Example

```
{ id: 1 } //this is wrong syntax  
{ "id": 1 } //this is right syntax
```

Can we write values without quotes or is it mandatory ?

Value Type	Quotes Required	Example
String	Yes	"name": "Afroze"
Number	No	"age": 21
Boolean	No	"isStudent": true
null	No	"marks": null
Object / Array	No	"skills": ["HTML", "CSS"]

Can we compile a json file ?

No, **JSON cannot be compiled** — it's **not a programming language**.

But you can **validate** it (check if the syntax is correct) using online JSON validators or parsers.

Can we write key (id) with spaces?

You **can**, but you **must use quotes**.

Example:

```
{ "student name": "Afroze" }
```

Can we write comments in a json file ?

No, you can't write comments in a JSON file.