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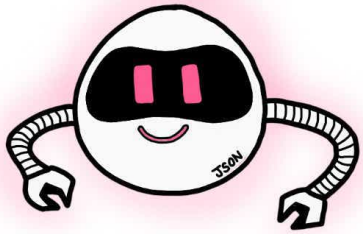
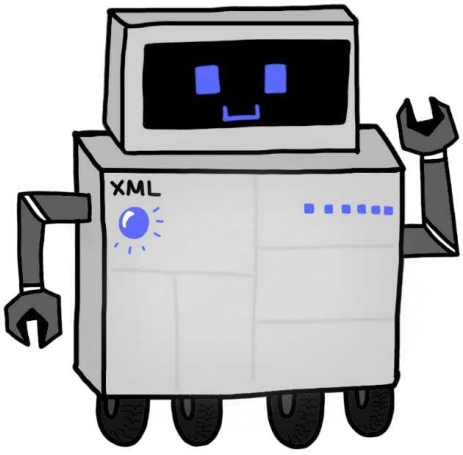
JSON



VS



XML

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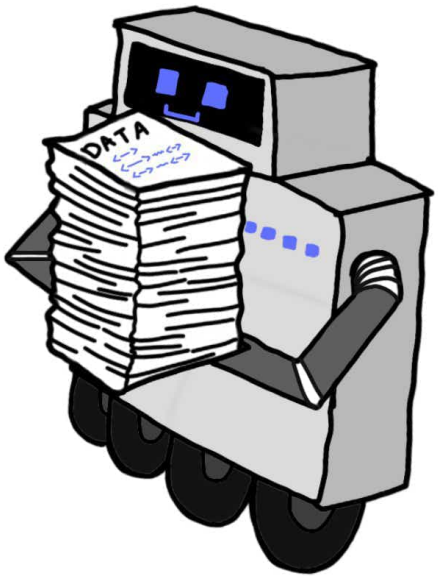
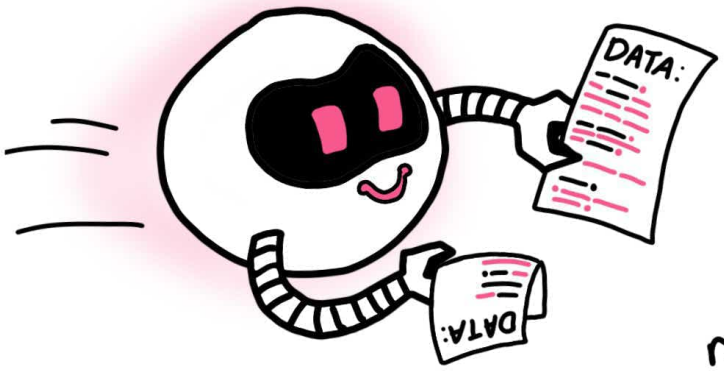
Both JSON and XML are data formats used to send and receive data from web servers.





Both play an important role in organizing data into a readable format in many different languages and APIs.

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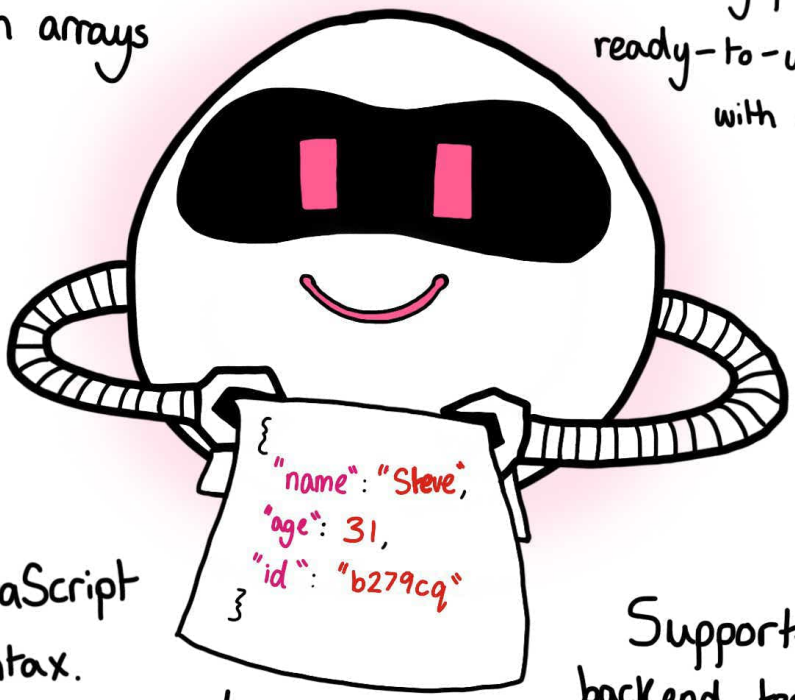
JSON: "JavaScript Object Notation"

Stores data in arrays for easier data transfers.

Easily parsed into a ready-to-use JavaScript object, with no library needed.



Easy to read and write.

Based on JavaScript object literal syntax.

Supported by most backend technologies and modern programming languages.

XML: "Extensire Markup Language"

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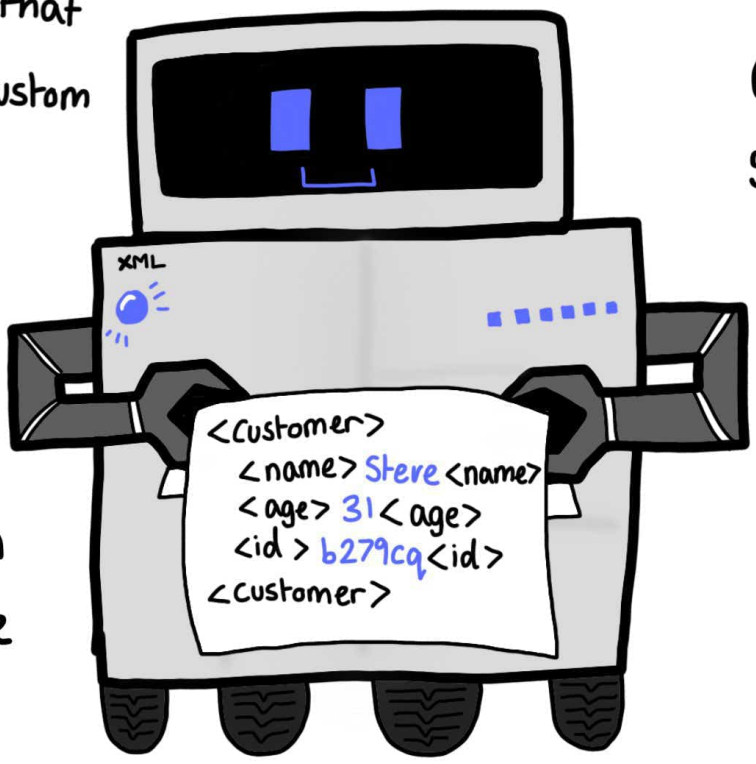
Markup language that allows creating custom user defined tags.

Complex data structure that must be parsed.



Manages data in a 'tree' structure hierarchy.

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Similarities and differences

JSON and XML are similar because:

- Self-describing (human readable)
- Parsed and used by many different programming languages
- Hierarchical

JSON and XML are different because:

- JSON object has a type, XML is typeless
- XML has display capabilities unlike JSON
- JSON is less secure than XML
- XML is much more complex and slow to parse

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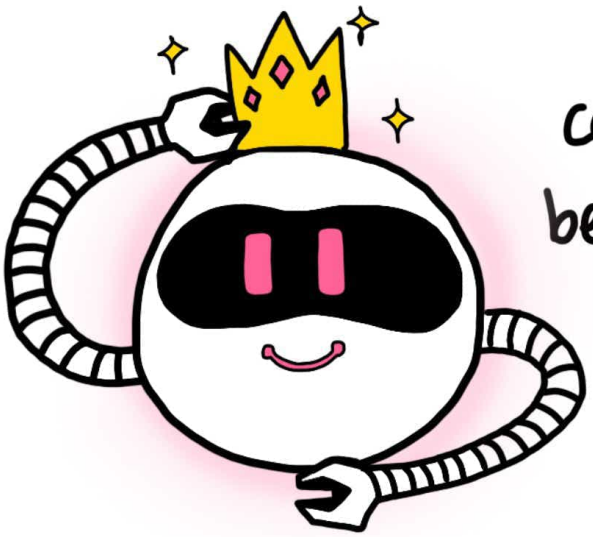

Generally, JSON is considered better than XML because it is easier to parse into a ready-to-use JavaScript object.