

YAML

- ① Introduction
- ① Syntax
- ① Properties / Datatypes
- ① YAML tools.

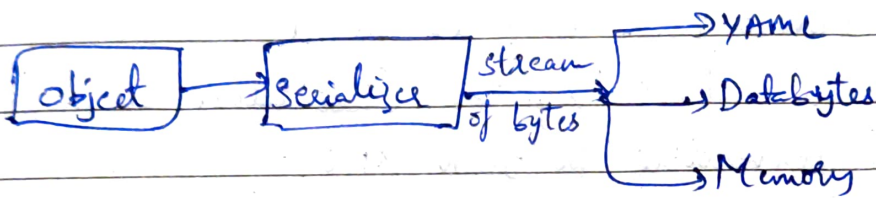
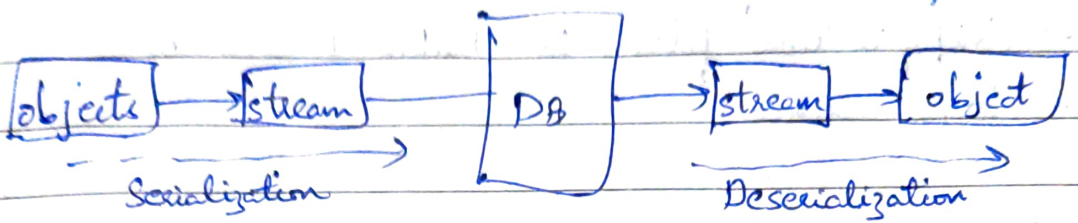
YAML:-

- Previously it is called "Yet Another Markup Lang".
- Now, "YAML Ain't Markup Language".
- It is basically a data format used to exchange data.
- It is similar to XML/JSON datatypes.
- It is simple human readable language that is used to represent data.
- In YAML, we can store only data and not commands.

Data Serialization:-

- Storing of data in files.
- For example, if we have stored in memory of a like object of particular students. You want to share this info to android app/web app/ML model.
- There needs some sort of way to have particular data to share in one single format everywhere.
- This can be done by serialization and deserialization.

→ Serialization is basically a process of converting data objects ^{that is present in some} into a complex data structure into a stream of byte or storage that can be used to transfer this data on likes your physical devices.



Object is combination of code + data.

Another definition:-

Serialization is basically a process of converting the data object which is a combination of code and data into series of bytes that saves the state of this object in a form that is easily transmittable.

"Data Serialization Languages:-" YAML, JSON and XML.

Why full form YAML changed?

- Markup Languages used to store only documents.
- But in YAML, you can store objects data along with documents.

Use of YAML files?

- Configuration files. Ex: Docker, Kubernetes &
- logs, caches.

Benefits of YAML files?

- It is simple and easy to read.
- It has a strict syntax. (Indentation is important)
- Easily convertible to JSON, XML.
- Most languages use it
- More powerful when representing complex data.
- Use of various tools like parsers etc.
- Parsing is easy.

Ⓐ YAML is case sensitive.

Ⓐ In YAML, use space for indentation not tabs.

Ⓐ No multi line comments.

Ⓐ If a file has different datatype like key-value, lists or block then to consider all as 3 different documents use "---" between them.

Ⓐ To end document use "..."

Block Style.

