Data Transfer Format

JSON - REST API Programming
Machine Friendly

```
{
  "name": "dhondhu",
  "age": 66,
  "marks": 23
}
```

YAML
Human Friendly

```
name: dhondhu
age: 66
marks: 23
```

Protobuff
Machine Friendly

```
syntax = "proto3";

message Student {
  string name = 1;
  int32 age = 2;
  int32 marks = 3;
}
```
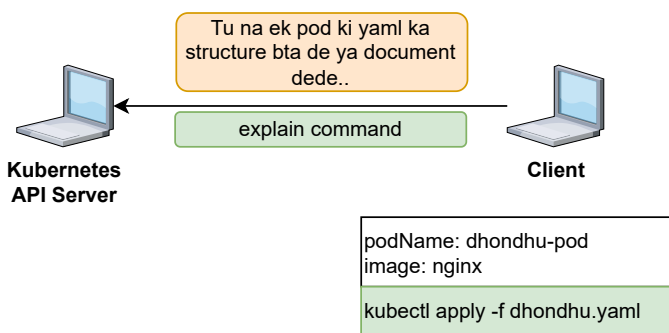

Here are the **basic YAML rules in short**:

1. **Key-value pairs**: Written as key: value

2. **Indentation**: Use **spaces only** (not tabs). Indentation defines structure. Typically, use **2 spaces** per level.

3. **Lists**: Use dashes (-) for list items, preceded by a space.

   ```
   fruits:
     - apple
     - banana
   ```

4. **Strings**:

   - Plain text is fine: name: John

   - Use quotes if special characters or starting with @, &, *, etc.

     ```
     Note: "Hello, world!"
     ```

5. **Comments**: Use # for comments.

   ```
   # This is a comment
   ```

6. **Boolean values**: Can be true/false, yes/no, or on/off (case-insensitive).

Tu na ek pod ki yaml ka structure bta de ya document dede..

explain command

Kubernetes API Server

Client

```
podName: dhondhu-pod
image: nginx

kubectl apply -f dhondhu.yaml
```

kubectl explain pod