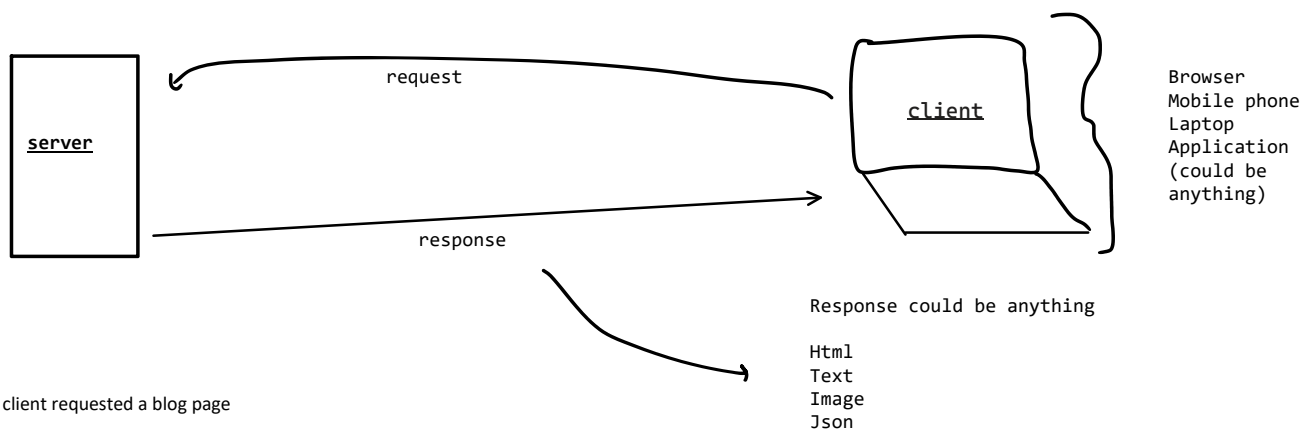# What is REST API..?

20 March 2024      09:46 PM

Rest api is kind of a standards/set of rules that we should
follow to handle server response and client request.
(server client architecture)

If any server is following every rule effectively then we say
that that server is made on restfull api.

```
server                    request                    client
                          response
```

Browser
Mobile phone
Laptop
Application
(could be
anything)

Response could be anything

Html
Text
Image
Json

Suppose client requested a blog page

Then server fetch it from database and send a response to a client

**get/ blog  -> sent as a html page ✓      for browser**

**But this won't work if the client is in application/mobile phone
Hence  we created a dependency that client is dependent on server**

So that we never face this issue we implement some rules that server have to
follow

**For this we use JSON
Also known as CSR
(client side rendering)**

Because JSON is the
raw data which get
render in client side
only

**This html response is also known as SSR (server side rendering)**
Because we are sending the to a client from a server side after rendering it

## Working of JSON response



```
server          request          client
```

Mobile phone
Application

Response (JSON) **it is key/value file**

Previously we used XML
but now days er use Json(raw data)

It is rendered in the client device only