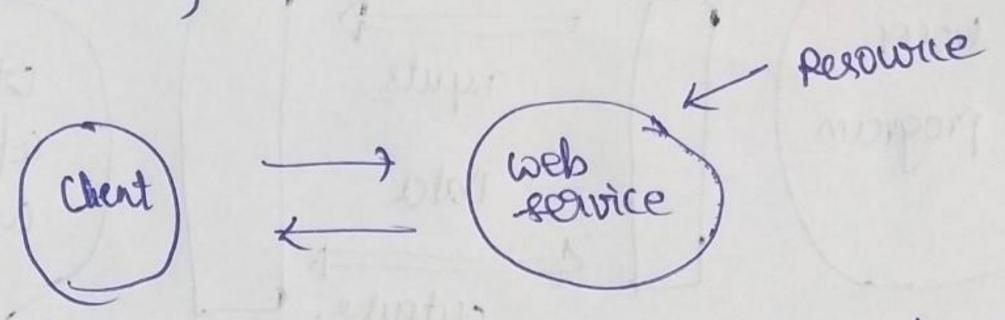
API (Application programming interface) to talk to earlother. API allows two programs API POOP Exputs reflucie Data component outputa. For , example the pandos library in python is an API. Host comppandes are written in another languages. ) dict dota frame Parday wad() Program ! top I rows import pandos as pol dict\_ = {a: [11,21,31], b) [1422,32]} of = pd. Data Praise (dict) (databrame) of lead() -) when you call method head() it communicates with fardas API and gives result of top Mond. - same as heads) df.meanl) REST API REST API are popular APIR that allow you to communicate through internet. They help in storage, access more data and use artificial intelligent algorithms and much more.

RE - pepresentational

s, - state

T- transfer.

In this architectare, your program is client, the



REST APIS are used to interact with web services, i.e., application that you call through the internet.

- 1) The client sends request to the webservice.
- sequents are used for transmitting data. pegreest is 1 Http
- 3 we tell API what to do by sending a sugnest to communicated via an HTTP mersage.
  - The HTTP newage usually contains a Json file. It cont ain data regulating what operation we would like the source to posterm.
  - 1 The source portonnes the opposition.
  - (6) NOW, the web source relows the message via HTTP protocol and the result is Juneon file.

Example:

nba-api: It is a sports API written by : Swar fatel. API is always updated from endpoints at Nba. com. som doom been sultingly thought within within