## **Restful APIs**

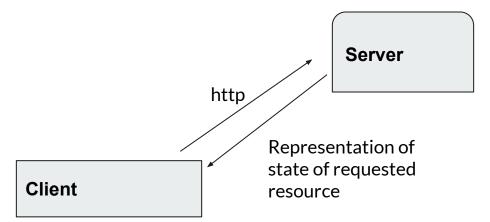
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#### What Are APIs?

- Known as Application Programming Interfaces
- Used to get one software to interact with another
- Different Types of APIs
  - REST
  - SOAP
  - XML-RPC
  - JSON-RPC

#### **REST APIs**

• Stands for **RE**presentational **S**tate **T**ransfer



### **JSON Objects**

Most APIs return JSON objects

#### **Common HTTP methods**

- **GET-** retrieves resource
- POST modify resource
- PUT replace resource
- **DELETE** remove resource

# **POSTMAN**

### Challenge

- Open Google Colaboratory or whatever text editor you feel most comfortable with Python installed. Don't forget to import requests!
- 2. Use the public API shibe.online to GET a URL of an image of a shibe
- 3. POST the URL to CleanURI API to obtain a shortened url
- 4. Click the shortened URL and enjoy the picture of a cute shibe

## **ANSWER**

https://colab.research.google.com/drive/19SInaKdSkWc1J07RofZr9aHmb0INyCA1