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Request library

The requests library allows us to send HTTP requests using python. Python requests module has several built-in methods to make Http requests to specified URI using GET, POST, PUT, PATCH or HEAD requests. A Http request is meant to either retrieve data from a specified URI or to push data to a server. It works as a request-response protocol between a client and a server.

First example, To create an HTTP GET request to the URL https://www.google.com equals hello. Python’s requests module provides in-built method called get() for making a GET request to a specified URI. requests.get(URL, params={key: value}, args).

Similarly, If I wanted to post some data to HTTP server. I will use POST request to the URL. For example I want ot make an HTTP POST to the URL https://www.google.com. Python’s requests module provides in-built method called post() for making a POST request to a specified URI. requests.post(url, params={key: value}, args).

Overview of the different functions in the Request library

1. **get**: get function is used to retrieve information from the given server using a given URI.

2. **post**: post function is used to send information to the given server

using a given URI.

3. **put**: put function is used to modify the existing resource to the given server. It

the given resource doesnot exist then server can create the resource with that URI.

4. **delete**: delete function is used to delete the specified resource.

5. **patch**: patch function is used to modifiy resource.The patch function only needs to contain the changes to the resource, not the complete resource.

Links:

https://pypi.org/project/requests/

https://docs.python-requests.org/en/latest/