

Q1. Explain GET and POST methods.

- GET: The GET method is used to retrieve data from a server. It is the most common HTTP method.
- POST: The POST method is used to create or update data on a server. It is typically used to submit form data.

Q2. Why is request used in Flask?

- The request object in Flask contains all of the information about the incoming request. This includes the HTTP method, the request headers, and the request body.
- The request object is used in Flask to access the data in the incoming request. For example, you can use the request.method attribute to get the HTTP method of the request, and the request.args attribute to get the query parameters.

Q3. Why is redirect() used in Flask?

- The redirect() function in Flask is used to redirect the user to a different URL. This is typically used after a user has performed an action, such as submitting a form or logging in.

Q4. What are templates in Flask? Why is the render_template() function used?

- Templates in Flask are used to generate HTML code. They are typically written using the Jinja2 template language.
- The render_template() function in Flask is used to render a template and return the generated HTML code. This is typically used in views to generate the HTML code for the response

Q5. Create a simple API. Use Postman to test it. Attach the screenshot of the output in the Jupyter Notebook.

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In [ ]: from flask import Flask, request, jsonify

app = Flask(__name__)

@app.route("/hello", methods=["GET"])
def hello():
    name = request.args.get("name")
    if name is None:
        name = "World"

    return jsonify({"message": f"Hello, {name}!"})

if __name__ == "__main__":
    app.run(debug=True)
```

```
[
  {
    "message": "Hello, World"
  }
]
```

```
In [ ]:
```