1. **What features does Swagger offer?**

Ans.

Swagger is used to generate interactive API documentation that lets user to call API directly from the browser.

Some Features of Swagger are mentioned below-

1. Faster and standardized API design.
2. Secure, API Collaboration
3. Interactive API Documentation
4. **How does API testing benefit you?**

Ans.

API testing refers to verifying that API is functioning properly and fetching the results as expected before deploying it in production.

Benefits-

1. Developer can check if the api is fetching the results as expected.
2. Access of the application without user interface.
3. Protection from code break
4. Cost Effective and reduces testing cost.
5. Technology independent.
6. **How do we include an API in Swagger?**

Ans.

Swagger uses either json or yaml to work. Also swagger-ui-express is required to serve auto-generated swagger-ui generated API docs from express. One of the example is mentioned below-

Make sure swagger-ui-express & yaml is installed in the app. Include the swaggerUi in your index.js and create a file named swagger.yaml in root directory (according to below example)

const swaggerUi = require("swagger-ui-express");

const YAML = require("yamljs");

const swaggerDocument = YAML.load("./swagger.yaml");

app.use("/api-docs", swaggerUi.serve, swaggerUi.setup(swaggerDocument));

After that in yaml.js api can be included after creating basic structure and server as mentioned below:

paths:

  /:

    get:

      tags:

        - …

      summary: …

      responses:

        "200": *#status code*

          description: …

1. **In Swagger UI, how can we submit custom headers with requests?**

Ans.

1. paths:
2. /mycourse/{courseId}:
3. get:
4. tags:
5. - Array
6. summary: return the course by id
7. parameters:
8. - name: courseId
9. in: path
10. required: true
11. default: 11
12. schema:
13. type: string
14. responses:
15. 200:
16. description: All good and success
17. **How should we use Swagger to produce static docs?**

Ans.

The static html docs can be generated using swagger editor. Just import your yaml file there and then html in Generate Client from navbar. A zip file will be automatically downloaded containing the html static file for your document.