1. URL for uses\_api.html online

URL: https://miaxiaoyu.github.io/CS120 Web/API/uses api.html

2. Postman screenshot - paste below

```
Invite 🕸 🗘 💸
  Home Workspaces v API Network
                                                                                           Q Search Postman
 New Import GET https://jsonplaceholder. • +
                                                                                                                                                                                           No environment
 □ + =
                                                      https://jsonplaceholder.typicode.com/posts
                                                                                                                                                                                         Save v Share
                                                       GET v https://jsonplaceholder.typicode.com/posts
                                                                                                                                                                                                   Send
                                                        Body Cookies Headers (25) Test Results 4
                                                       {} JSON ∨ ▷ Preview 🍪 Visualize ∨
                                                                                                                                                                                        □ | □ Q | □ Ø
                  Create a collection for your
                   requests and easily set common
                        Create Collection
                                                                        "dd": 2,
"title": "qui est esse",
"body": "est rerum tempore vitae\nsequi sint nihil reprehenderit dolor beatae ea dolores neque\nfugiat blanditiis voluptate
                                                           10
11
12
                                                           13
14
15
16
17
18
                                                                        "userId": 1,
"id": 3,
"title": "ea molestias quasi exercitationem repellat qui ipsa sit aut",
"body": "et iusto sed quo iure\nvoluptatem occaecati omnis eligendi aut ad\nvoluptatem doloribus vel accusantium quis
pariatur
                                                                                                     to Postbot • Runner № Capture requests ⊙ Cloud Agent 🚯 Cookies 🛆 Vault 🗓 Trash 🖭
```

3. Describe the API you selected and what it does

A: JSON Placeholder is a service that provides you with fake online REST APIs for testing and prototyping. This is a go-to API for every developer.

4. Cite the website that offers the API: <a href="https://jsonplaceholder.typicode.com/">https://jsonplaceholder.typicode.com/</a>

The API I use is <a href="https://jsonplaceholder.typicode.com/posts">https://jsonplaceholder.typicode.com/posts</a>

5. Describe the options/parameters you used for the API request

A: I used the postId parameter as a path parameter in the URL (https://jsonplaceholder.typicode.com/posts/{postId}), where users input a number between 1-100 to specify which post to retrieve, and the API returns JSON data containing the post's userId, id, title, and body.

6. what query info did you need to provide to the API to get your results?

A: To get results, I needed to provide a specific Post ID number (1-100) in the URL path, using a GET request with no authentication required, and the API responds with a JSON object containing the post details.

## The API returns a JSON object containing:

userld: Which user created the post id: The post's unique identifier

title: The post's title

body: The post's content/text

7. Identify two applications where this API would be helpful.

A: First, this API would be helpful for developers creating movie review websites or social media platforms where users can post content - they could use this API to test that their posting system works correctly by using the dummy posts to simulate real user posts during development. Second, it would be great for web development learning websites like W3Schools that teach students how to work with APIs, allowing students to practice fetch requests, JSON parsing, and DOM manipulation with reliable, free data without requiring API keys or dealing with rate limits.