

# Lahore Garrison University

DHA Phase 6 Lahore

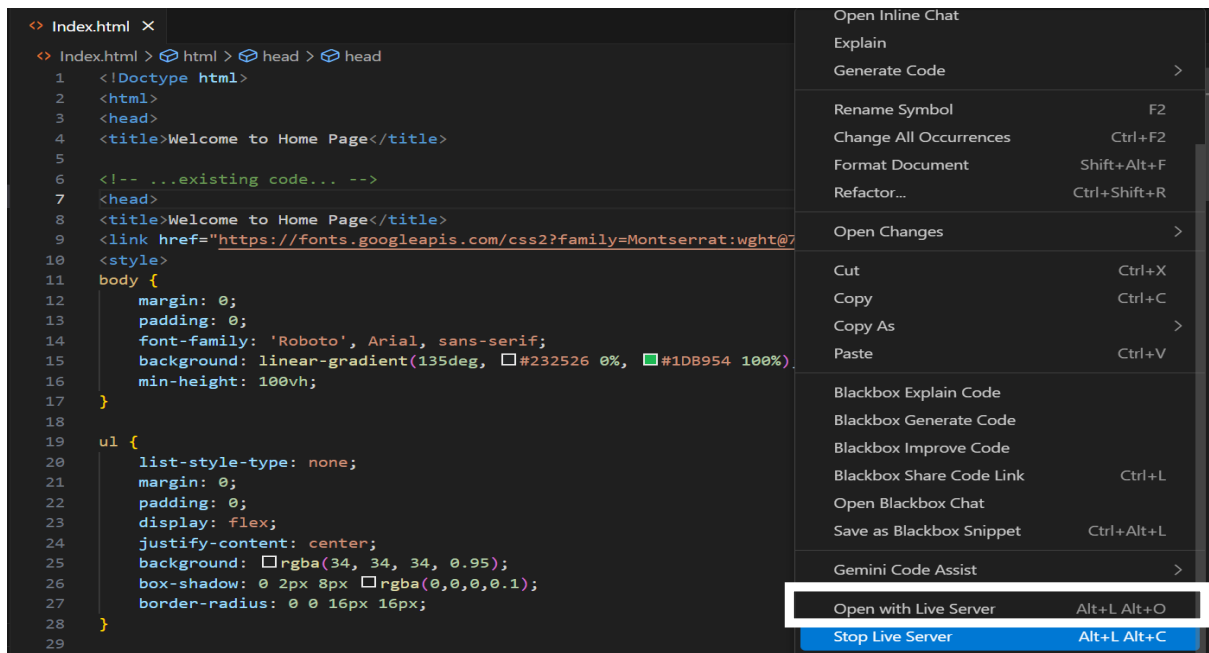


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<b>Section</b>	<b>G</b>
<b>Subject</b>	<b>Web Technologies</b>
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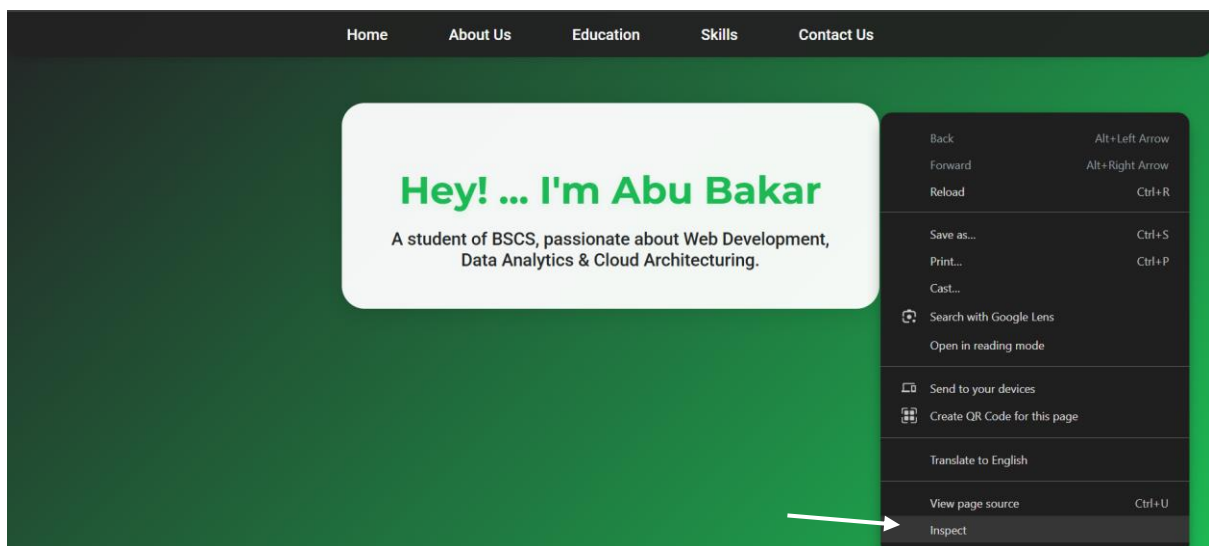
## Lab Task 2

### Step 1: Inspect HTTP Requests with DevTools:

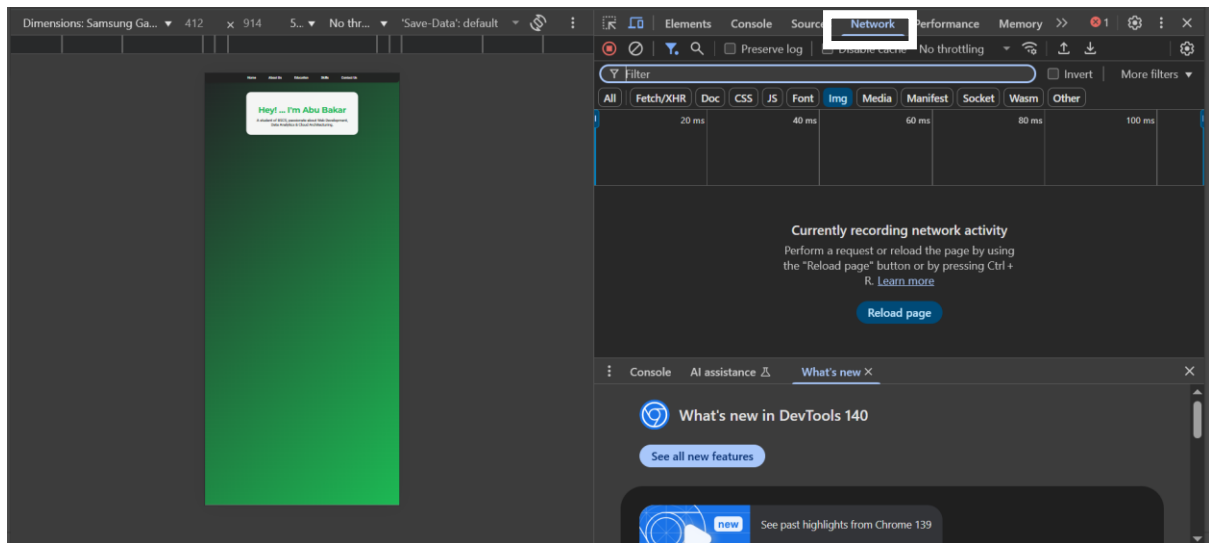
1. Open any simple HTML page (e.g., index.html) using Live Server.



2. Right-click → Inspect → go to Network tab.

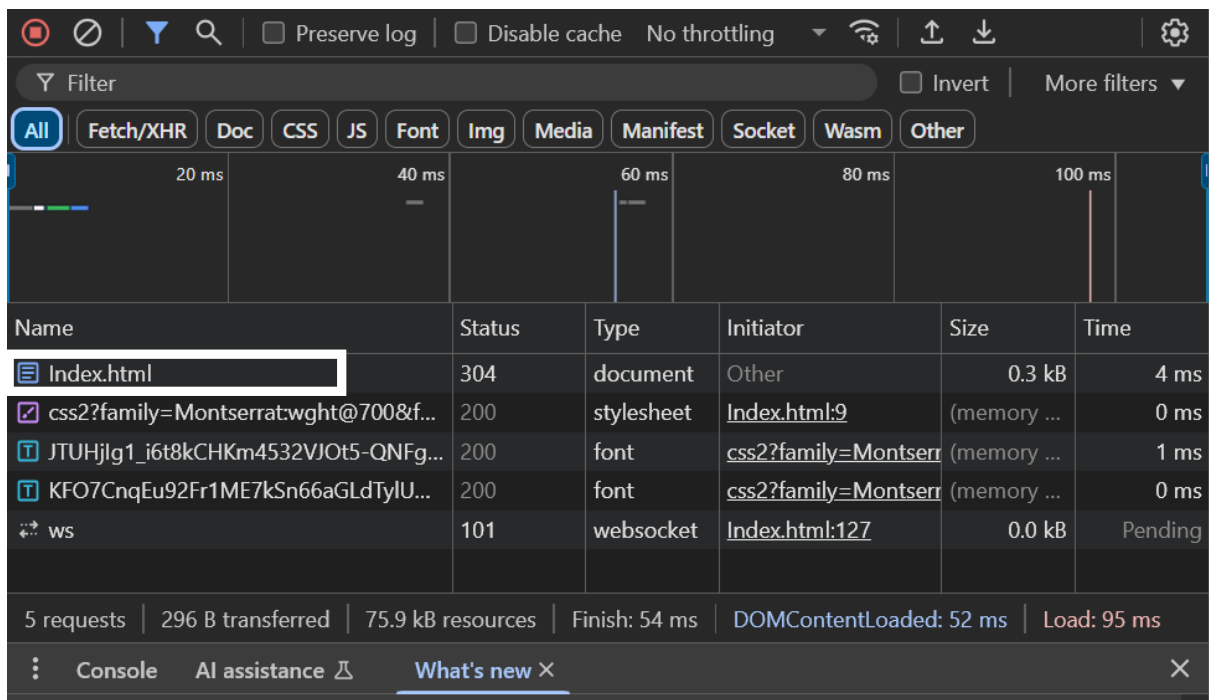


### 3. Reload the page (F5) to capture network activity.



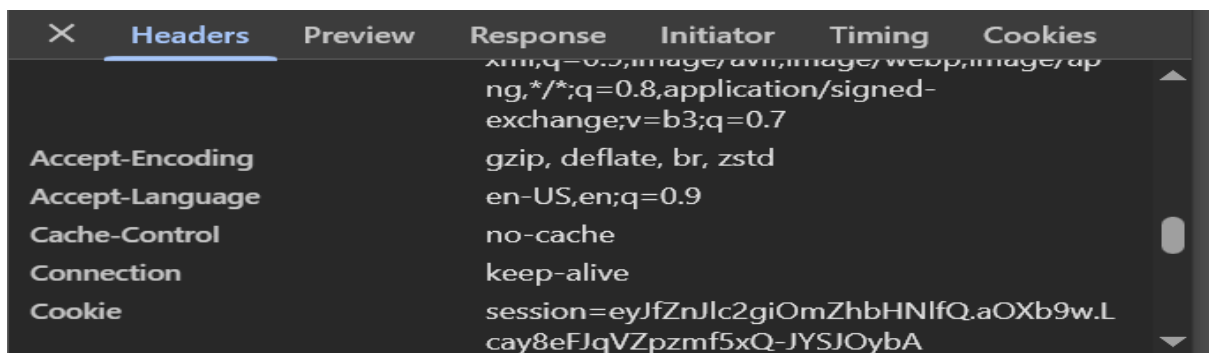
**4. Click on the main request (e.g., index.html) and observe:**

- o Request Method (GET)
- o Status Code (e.g., 200 OK)
- o **Request Headers** (Host, User-Agent)



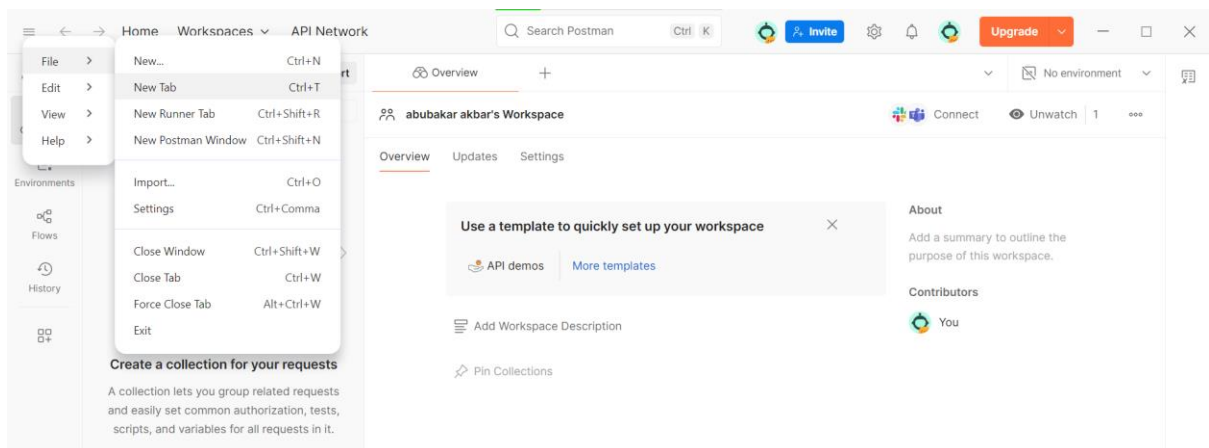


**o Response Headers (Content-Type, Cache-Control) Screenshot Tip: Capture the headers and status code view.**



## Step 2: Make GET/POST Requests with Postman or curl :

**1. Open Postman and create a GET request to your local server (e.g., <http://localhost:5500/index.html>).**



## 2. Observe the status code, response body, and headers.

Overview | GET http://127.0.0.1:5500/Index.html | No environment

HTTP http://127.0.0.1:5500/Index.html Save Share

GET http://127.0.0.1:5500/Index.html Send

Params Cookies

Query Params

Key	Value	Description
Key	Value	Description

Body 200

```
1 <!Doctype html>
2 <html>
3 <head>
4 <title>Welcome to Home Page</title>
5
6 <!-- ...existing code... -->
7 <head>
8 <title>Welcome to Home Page</title>
9
```

## 3. Create a POST request to a test endpoint (e.g., <https://httpbin.org/post>).

o Add a JSON body: {

"name": "Student", "lab": "HTTP Basics" }

o Send the request and inspect the response.

Overview | GET http://127.0.0.1:5500/Inc | POST https://httpbin.org/post | No environment

HTTP https://httpbin.org/post Save Share

POST https://httpbin.org/post Send

Params Authorization Headers (8) Body Scripts Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "name": "Student",
3   "lab": "HTTP Basics"
4 }
```

Body Cookies Headers (7) Test Results 200 OK - 2.61 s - 850 B

```
1 {
2   "args": {},
3   "data": {"name": "Student", "lab": "HTTP Basics"},
4   "files": {},
5   "form": {},
6   "headers": {
7     "Accept": "*/*",
8     "Accept-Encoding": "gzip, deflate, br",
9     "Content-Length": "50"
10  }
```

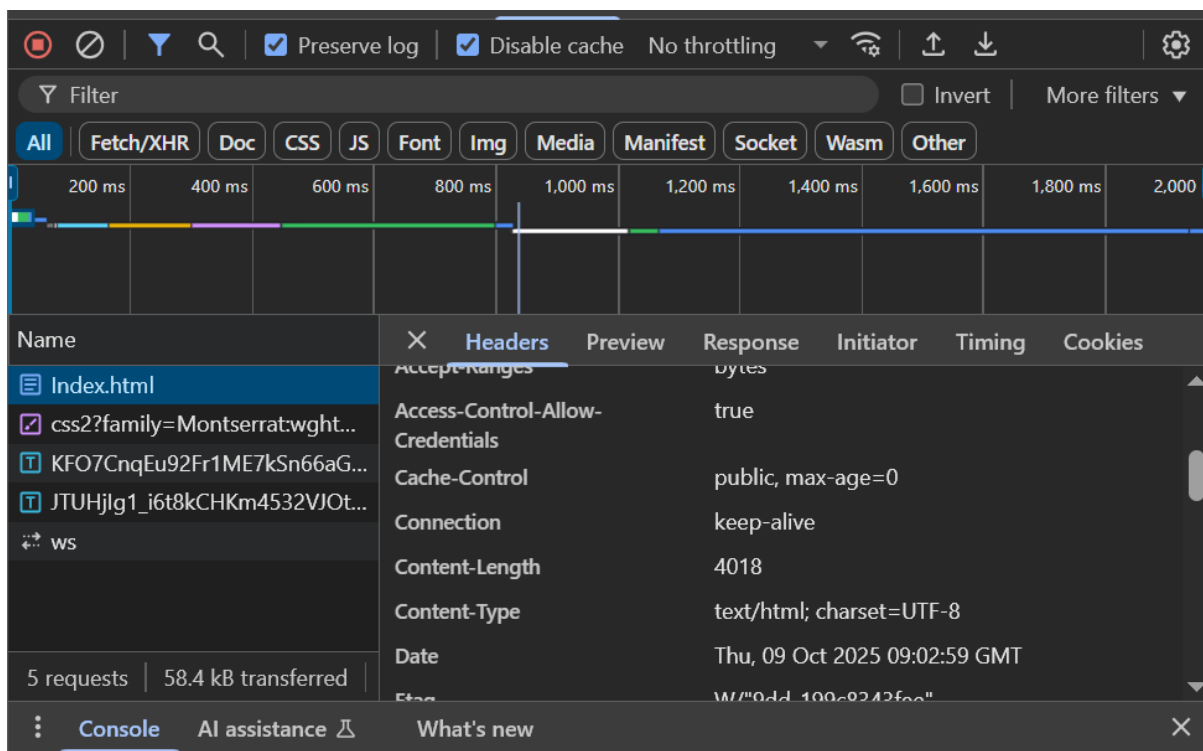
**Using curl (optional) :** `curl -X POST https://httpbin.org/post -H "Content-Type: application/json" -d '{"name":"Student","lab":"HTTP Basics"}'`

```
Command Prompt
Microsoft Windows [Version 10.0.19045.6396]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ahmad Awan>curl -X POST https://httpbin.org/post -H "Content-Type: application/json" -d '{"name":"Student","lab":"HTTP Basics"}'
{
  "args": {},
  "data": '{"name:Student,lab:HTTP Basics}',
  "files": {},
  "form": {},
  "headers": {
    "Accept": "*/*",
    "Content-Length": "32",
    "Content-Type": "application/json",
    "Host": "httpbin.org",
    "User-Agent": "curl/8.13.0",
    "X-Amzn-Trace-Id": "Root=1-68e77981-57e5e25f2c25bd967c4f17b5"
  },
  "json": null,
  "origin": "103.4.94.84",
  "url": "https://httpbin.org/post"
}

C:\Users\Ahmad Awan>
C:\Users\Ahmad Awan>
```

## Step 3: Simulate Caching and Status Codes



## 200 OK: https://httpbin.org/status/200

HTTP <https://httpbin.org/status/200> Save Share

GET <https://httpbin.org/status/200> Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (7) Test Results 200 OK 7.81 s • 236 B

HTML Preview Visualize

1

## 301 Redirect: https://httpbin.org/status/301

HTTP <https://httpbin.org/status/301> Save Share

GET <https://httpbin.org/status/301> Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params


	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (7) Test Results 200 OK 627 ms • 652 B

{ } JSON Preview Visualize

```
1 {
2   "args": {},
3   "headers": {
4     "Accept": "*/*",
5     "Accept-Encoding": "gzip, deflate, br",
6     "Host": "httpbin.org",
7     "Postman-Token": "1ae9aa0b-2b8d-423d-8b33-cf40818e2412",
8     "Referer": "https://httpbin.org/redirect/1",
```

# 404 Redirect: https://httpbin.org/status/404

 https://httpbin.org/status/404

Save

Share

GET

https://httpbin.org/status/404

Send

Params

Authorization

Headers (6)

Body

Scripts

Tests

Settings

Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body

Cookies

Headers (7)

Test Results

HTML

Preview

Debug with AI

1

404 NOT FOUND

1.87 s • 243 B •



**CONCLUSION:**

**RUBRICS:**

Performance			Lab Report		
Description	Total Marks	Marks Obtained	Description	Total Marks	Marks Obtained
Ability to Conduct practical	5		Structure	5	
Data Analysis & Interpretation	5		Efficiency	5	
Total Marks obtained			Total Marks Obtained		

Instructor Signature \_\_\_\_\_