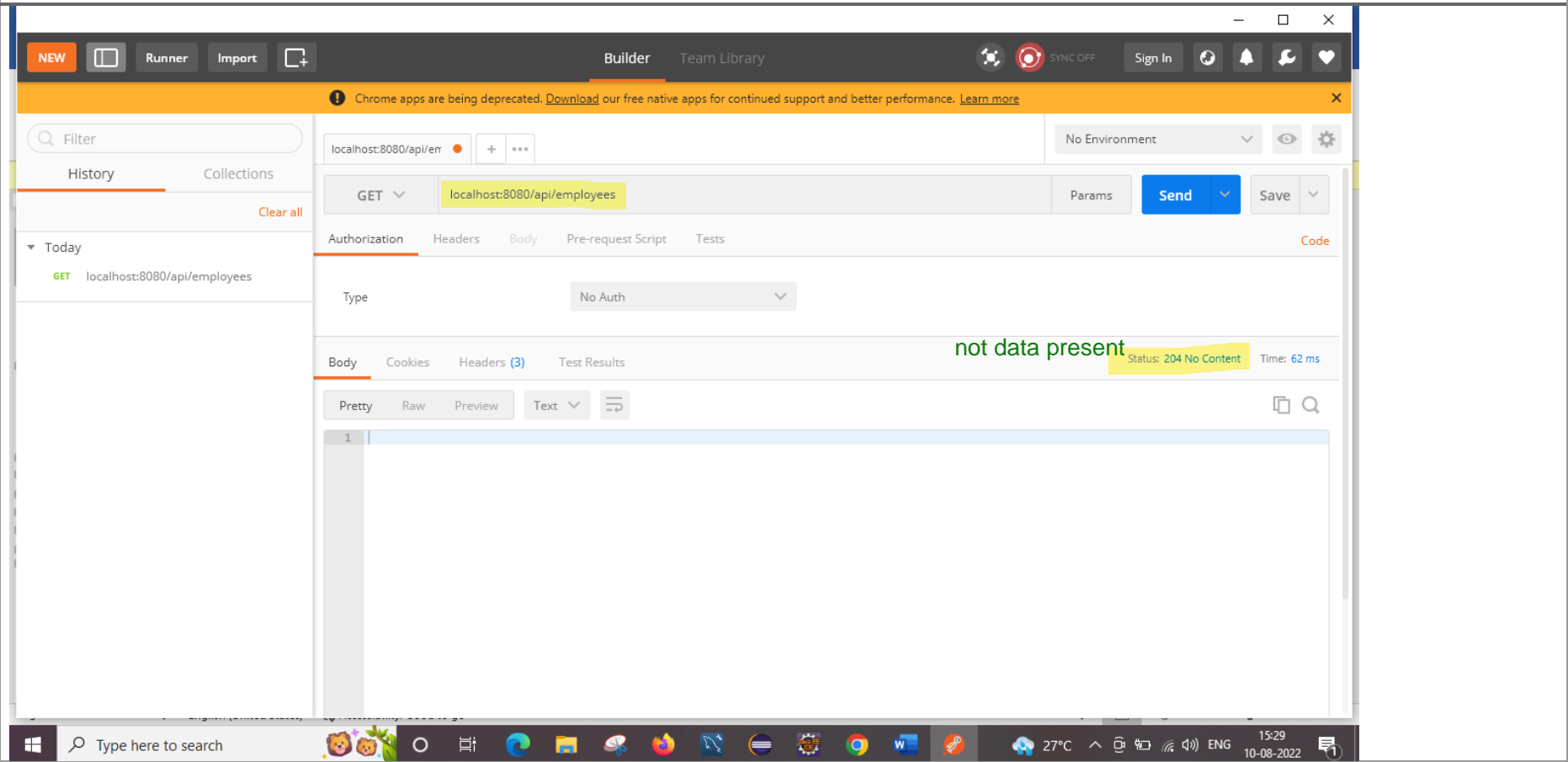


Graded Assignment 4 Solution

POSTMAN Screenshots

Mapping	Operation Performed and Result obtained
<p>GetMapping before insertion of employe data</p>	

PostMapping (Inserting Employee Data)

The screenshot displays the Postman application interface. At the top, a navigation bar includes buttons for 'NEW', 'Runner', and 'Import', along with a 'Builder' tab and a 'Team Library' link. A status bar at the top right shows 'No Environment' and a 'Sign In' button. Below this, a warning banner states: 'Chrome apps are being deprecated. Download our free native apps for continued support and better performance. Learn more'. The main workspace is divided into a left sidebar and a central panel. The sidebar contains a 'Filter' input, 'History' and 'Collections' tabs, and a 'Clear all' button. Under the 'History' tab, two requests are listed: a POST request to 'localhost:8080/api/employees/add' and a GET request to 'localhost:8080/api/employees'. The central panel shows the details of the selected POST request. The 'Body' tab is active, displaying a JSON payload:

```
{  "id": 2,  "firstName": "dead",  "lastName": "pool",  "email": "deadpool@gmail.com"}
```

. A green box highlights this JSON body, with an arrow pointing to the text 'Details to be added'. The 'Headers' tab shows four headers. The 'Test Results' tab shows the response status 'Status: 200 OK' and 'Time: 45 ms', with a green box around the status text and the label 'Adding details successful'. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 15:38 on 10-08-2022.

NEW Runner Import Builder Team Library

Chrome apps are being deprecated. [Download](#) our free native apps for continued support and better performance. [Learn more](#)

Filter

History Collections

Clear all

Today

- POST localhost:8080/api/employees/add
- GET localhost:8080/api/employees

localhost:8080/api/employees localhost:8080/api/en + ...

POST localhost:8080/api/employees/add

Params Send Save

Authorization Headers (1) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary JSON (application/json)

```
{  "id": 2,  "firstName": "dead",  "lastName": "pool",  "email": "deadpool@gmail.com"}
```

Details to be added

Body Cookies Headers (4) Test Results

Adding details successful Status: 200 OK Time: 45 ms

Pretty Raw Preview Text

1

Type here to search

27°C 15:38 10-08-2022

PutMapping (Updating email for id 2)

NEW Runner Import

Builder Team Library

Chrome apps are being deprecated. [Download](#) our free native apps for continued support and better performance. [Learn more](#)

Filter

History Collections

Clear all

Today

- PUT localhost:8080/api/employees/update
- POST localhost:8080/api/employees/add
- POST localhost:8080/api/employees/add
- POST localhost:8080/api/employees/add

localhost:8080/api/en localhost:8080/api/en localhost:8080/api/en + ...

No Environment

PUT localhost:8080/api/employees/update Params Send Save

Authorization Headers (1) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary JSON (application/json)

```
1 {
2   "id": 2,
3   "firstName": "dead",
4   "lastName": "pool",
5   "email": "deadpool@gl.in"
6 }
```

Modifying the email

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 51 ms

Pretty Raw Preview JSON

```
1 {
2   "id": 2,
3   "firstName": "dead",
4   "lastName": "pool",
5   "email": "deadpool@gl.in"
6 }
```

Updating Successful

Type here to search

27°C 15:43 10-08-2022

GetMapping (Search employee using firstname)

NEW Runner Import

Builder Team Library

Chrome apps are being deprecated. [Download](#) our free native apps for continued support and better performance. [Learn more](#)

Filter

History Collections

Clear all

▼ Today

- GET localhost:8080/api/employees/search/dead
- PUT localhost:8080/api/employees/update
- POST localhost:8080/api/employees/add
- POST localhost:8080/api/employees/add
- POST localhost:8080/api/employees/add

GET localhost:8080/api/employees/search/dead providing firstname

Params Send Save

Authorization Headers Body Pre-request Script Tests

Type No Auth

Body Cookies Headers (5) Test Results Status: 200 OK Time: 85 ms

Pretty Raw Preview JSON

```
1 {
2   {
3     "id": 2,
4     "firstName": "dead",
5     "lastName": "pool",
6     "email": "deadpool@gl.in"
7   }
8 }
```

Details Received

Type here to search

27°C 15:48 10-08-2022

GetMapping (Fetching employee using id)

The screenshot shows the Postman application interface. At the top, there's a navigation bar with 'NEW', 'Runner', 'Import', and 'Builder' tabs. A warning banner at the top states: 'Chrome apps are being deprecated. Download our free native apps for continued support and better performance. Learn more'. Below this, the 'Builder' tab is active, showing a request to 'localhost:8080/api/employees/1' with the method 'GET'. The URL is highlighted with a yellow circle, and the text 'fetching data using id' is written in green. The 'Authorization' tab is selected, showing 'No Auth'. The 'Body' tab is also visible, showing a JSON response:

```
{
  "id": 1,
  "firstName": "gl",
  "lastName": "postman",
  "email": "postman@gamil.com"
}
```

 The response is highlighted with a yellow circle, and the text 'Data fetched' is written in green. The status bar at the bottom shows 'Status: 200 OK' and 'Time: 71 ms'. The Windows taskbar at the bottom displays the search bar, taskbar icons, and system tray information including temperature (27°C), time (15:50), and date (10-08-2022).

NEW Runner Import

Builder Team Library

Chrome apps are being deprecated. Download our free native apps for continued support and better performance. Learn more

Filter

History Collections

Clear all

Today

- GET localhost:8080/api/employees/1
- GET localhost:8080/api/employees/search/dead
- PUT localhost:8080/api/employees/update
- POST localhost:8080/api/employees/add
- POST localhost:8080/api/employees/add
- POST localhost:8080/api/employees/add

GET localhost:8080/api/employees/1

fetching data using id

Authorization Headers Body Pre-request Script Tests

Type No Auth

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 71 ms

Pretty Raw Preview JSON

```
1 {
2   "id": 1,
3   "firstName": "gl",
4   "lastName": "postman",
5   "email": "postman@gamil.com"
6 }
```

Data fetched

Type here to search

27°C 15:50 10-08-2022

GetMapping (Fetching all data)

The screenshot shows the Postman interface with a GET request to `localhost:8080/api/employees` executed successfully. The response is a JSON array of three employee objects. The status is 200 OK and the time taken is 44 ms.

Request:

- Method: GET
- URL: `localhost:8080/api/employees`
- Type: No Auth

Response:

```
1  [
2    {
3      "id": 1,
4      "firstName": "g1",
5      "lastName": "postman",
6      "email": "postman@gmail.com"
7    },
8    {
9      "id": 2,
10     "firstName": "dead",
11     "lastName": "pool",
12     "email": "deadpool@gl.in"
13   },
14   {
15     "id": 3,
16     "firstName": "hulk",
17     "lastName": "banner",
18     "email": "hulk@avenger.com"
19   }
20 ]
```

Environment: No Environment

History:

- Today
- GET localhost:8080/api/employees
- GET localhost:8080/api/employees/1
- GET localhost:8080/api/employees/search/dead
- PUT localhost:8080/api/employees/update
- POST localhost:8080/api/employees/add
- POST localhost:8080/api/employees/add
- POST localhost:8080/api/employees/add

GetMapping (Sort = ASC)

The screenshot shows the Postman interface with a GET request to `localhost:8080/api/employees/sort?order=ASC`. The response is a JSON array of three employee objects, sorted by first name in ascending order. The response status is 200 OK and the time taken is 66 ms.

Request:

- Method: GET
- URL: `localhost:8080/api/employees/sort?order=ASC`
- Type: No Auth

Response Body (JSON):

```
[{"id": 2, "firstName": "dead", "lastName": "pool", "email": "deadpool@gl.in"}, {"id": 1, "firstName": "gl", "lastName": "postman", "email": "postman@gamil.com"}, {"id": 3, "firstName": "hulk", "lastName": "banner", "email": "hulk@avenger.com"}]
```

Data sorted in ascending order according to firstname

DeleteMapping (deleting employee with id 1)

The screenshot displays the Postman API client interface. At the top, a notification bar states: "Chrome apps are being deprecated. Download our free native apps for continued support and better performance. Learn more". The main interface is divided into several sections:

- Left Sidebar:** Contains a "Filter" search bar, "History" and "Collections" tabs, and a "Today" section listing recent requests. The list includes a DELETE request to `localhost:8080/api/employees/delete/1` (highlighted in yellow), and several GET and POST requests to other API endpoints.
- Top Bar:** Includes buttons for "NEW", "Runner", "Import", and "Builder". It also shows "Team Library", "SYNC OFF", "Sign In", and notification icons.
- Request Editor:** The "DELETE" method is selected for the URL `localhost:8080/api/employees/delete/1` (highlighted in yellow). The "Authorization" tab is active, showing "No Auth".
- Response Section:** The "Body" tab is selected, showing a "Status: 200 OK" (highlighted in yellow) and a "Time: 117 ms". The response body is displayed in "Text" format, showing a JSON object:

```
{  "1": "Deleted Employee with ID-1"}
```

 with the text "Deletion Successful using ID" in green.
- Bottom Bar:** Shows the Windows taskbar with the search bar "Type here to search", various application icons, and system status information including "27°C", "ENG", and the date "10-08-2022".