

Web Design and Development

NAME: Monier Ayman Monier Rofael

Supervised by: Dr. Hind Shaban

Lecture: GET VS POST

GET Method:

Purpose: Used to **request data** from a server.

Data Transmission: Data is sent **in the URL** (as query parameters).

Example:

<https://example.com/search?name=Monier&age=20>

Visible to users: Yes, data appears in the address bar.

Data size limit: Yes, limited (depends on browser, around 2000 characters).

Caching: Can be cached by the browser.

Use case: When you just want to **get information** (not modify data).

Example: Searching, viewing a page, filtering items, etc.

POST Method:

Purpose: Used to send data to the server to create or update something.

Data Transmission: Data is sent inside the request body, not in the URL.

Visible to users: No, data is hidden from the address bar.

Data size limit: No practical limit (depends on server configuration).

Caching: Not cached by default.

Use case: When you submit forms, login, upload files, or send sensitive data.

Example:

GET Example (in HTML):

```
<form action="search.php" method="get">
  <input type="text" name="query">
  <input type="submit" value="Search">
</form>
```

When you submit, URL becomes:

search.php?query=apple

POST Example (in HTML):

```
<form action="login.php" method="post">
  <input type="text" name="username">
  <input type="password" name="password">
  <input type="submit" value="Login">
</form>
```

Here, the username and password are **not visible** in the URL.