

## PRACTICAL ASSIGNMENT - 2

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Roll No : 50

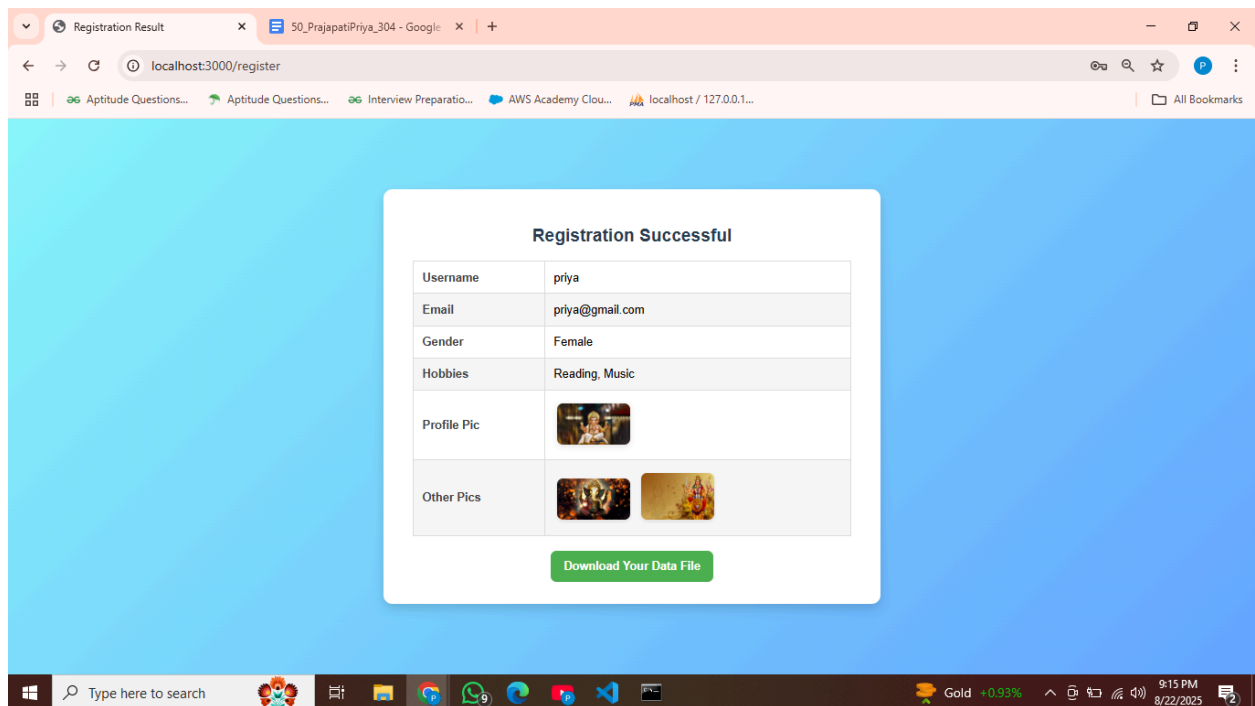
Subject : Open Source Web Development

Dept. : Msc ICT(3rd Sem)

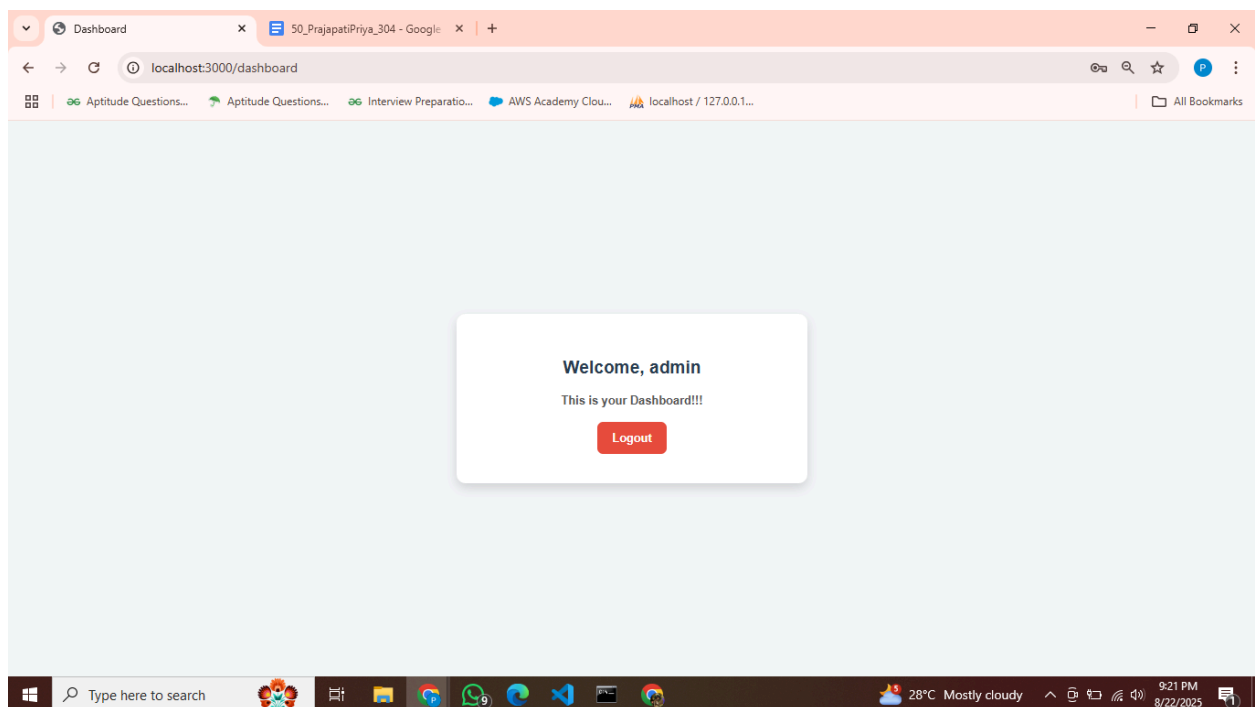
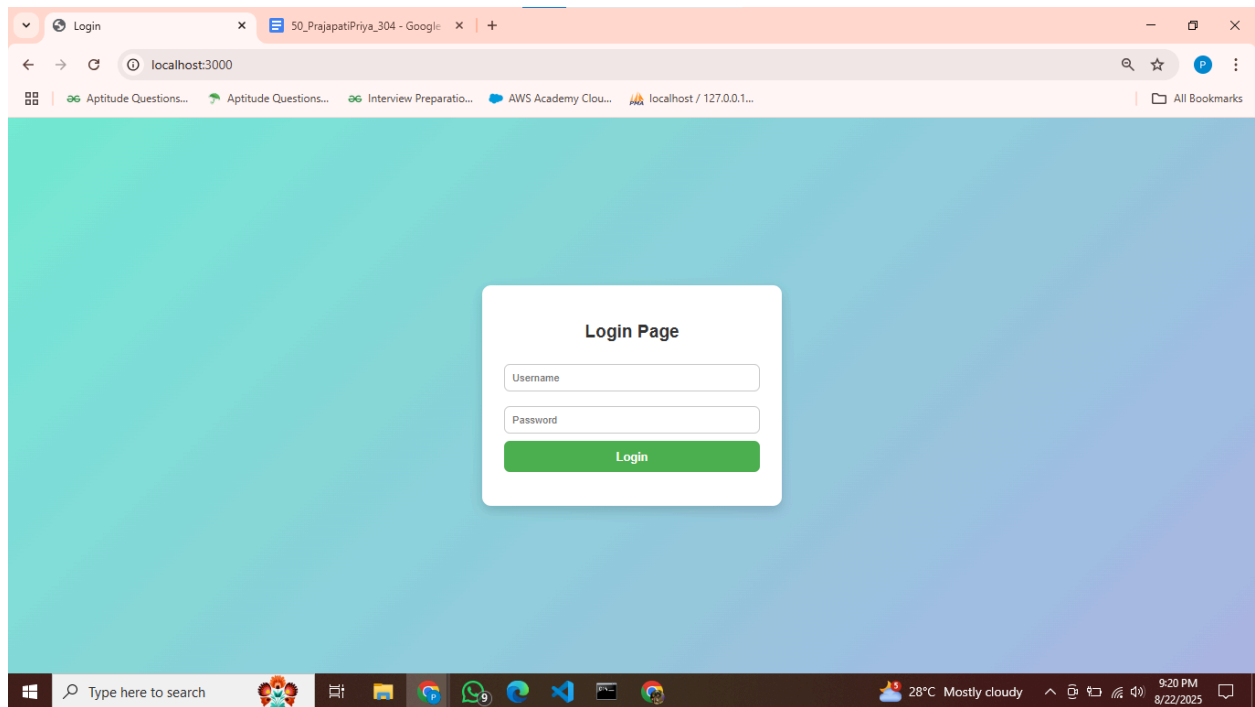
Date : 23-08-2025

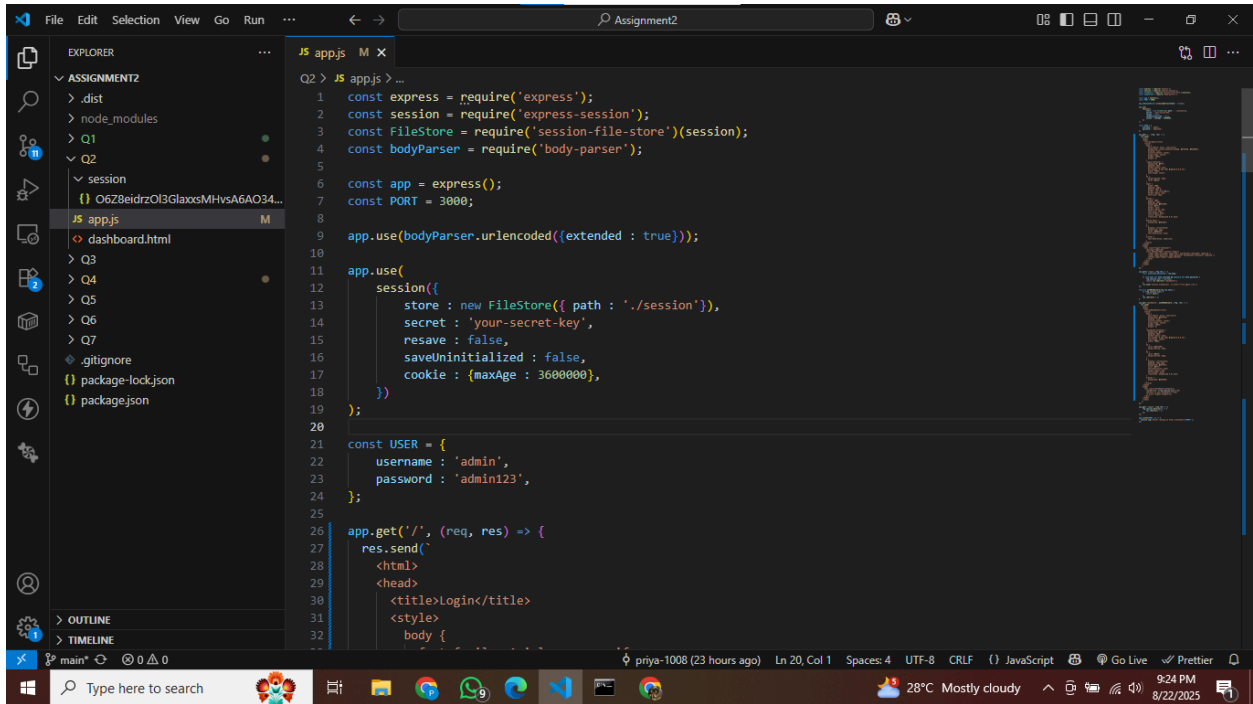
**Question-01 :** Develop a user registration form (fields: username, password, confirm password, email, gender, hobbies, upload profile pic, upload other pics) (use text box, radio, checkboxes, file upload) using Express. Form should also contain file upload (single, multiple) with validations.

- In case of invalid data, display errors along with all previous field values.
- In case of all valid fields, display all data and images in a well formatted tabular form. and allow the user to download that file using Express. Develop route for file download. (Use express, ejs, express-validator)



## Question-02 : Express Login application with file session store.

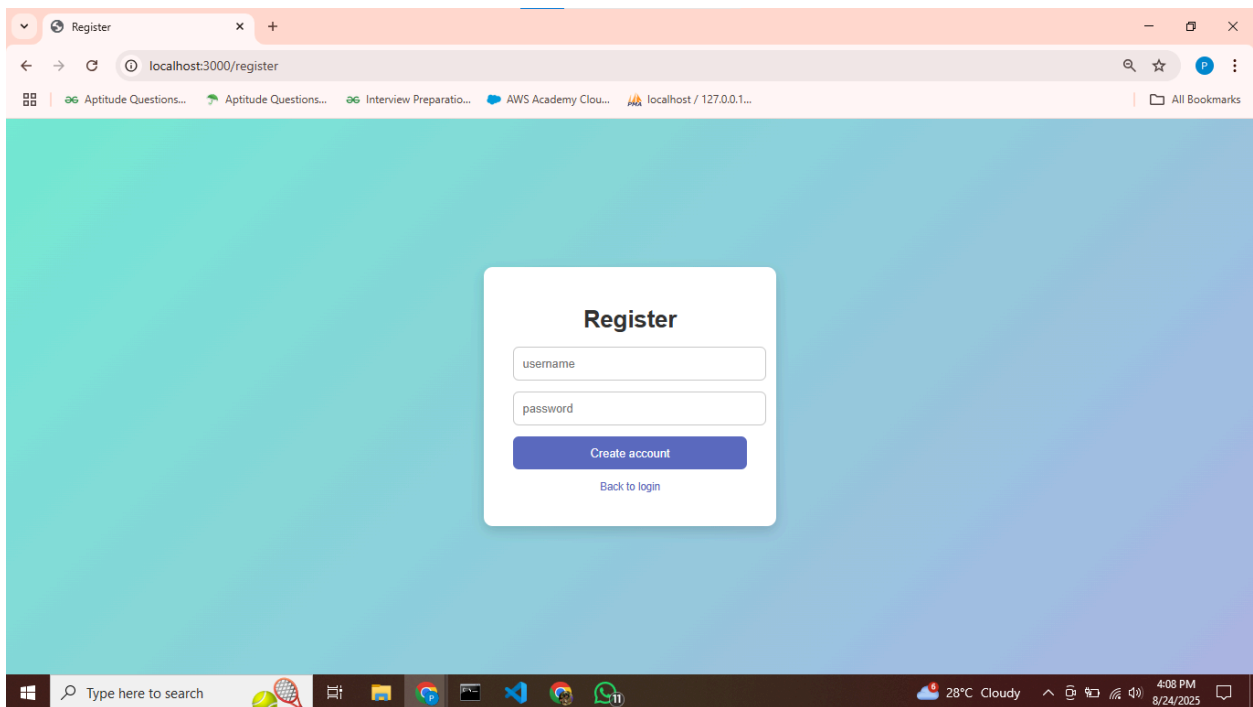


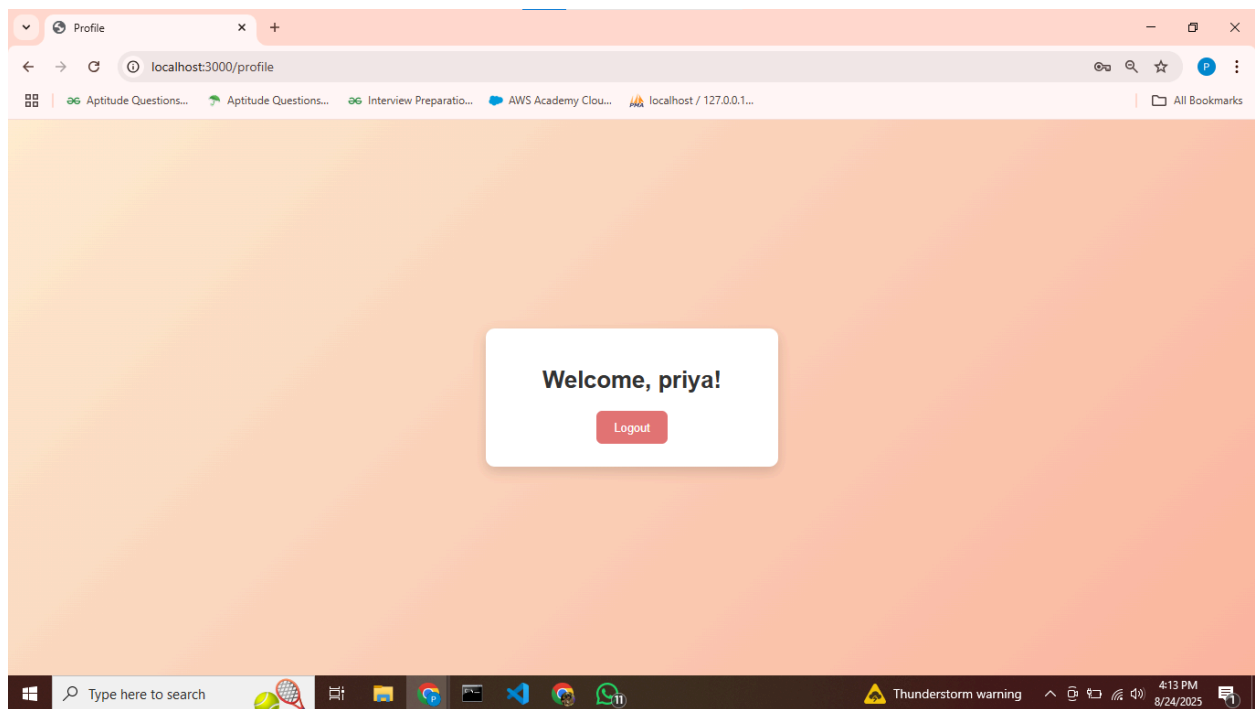
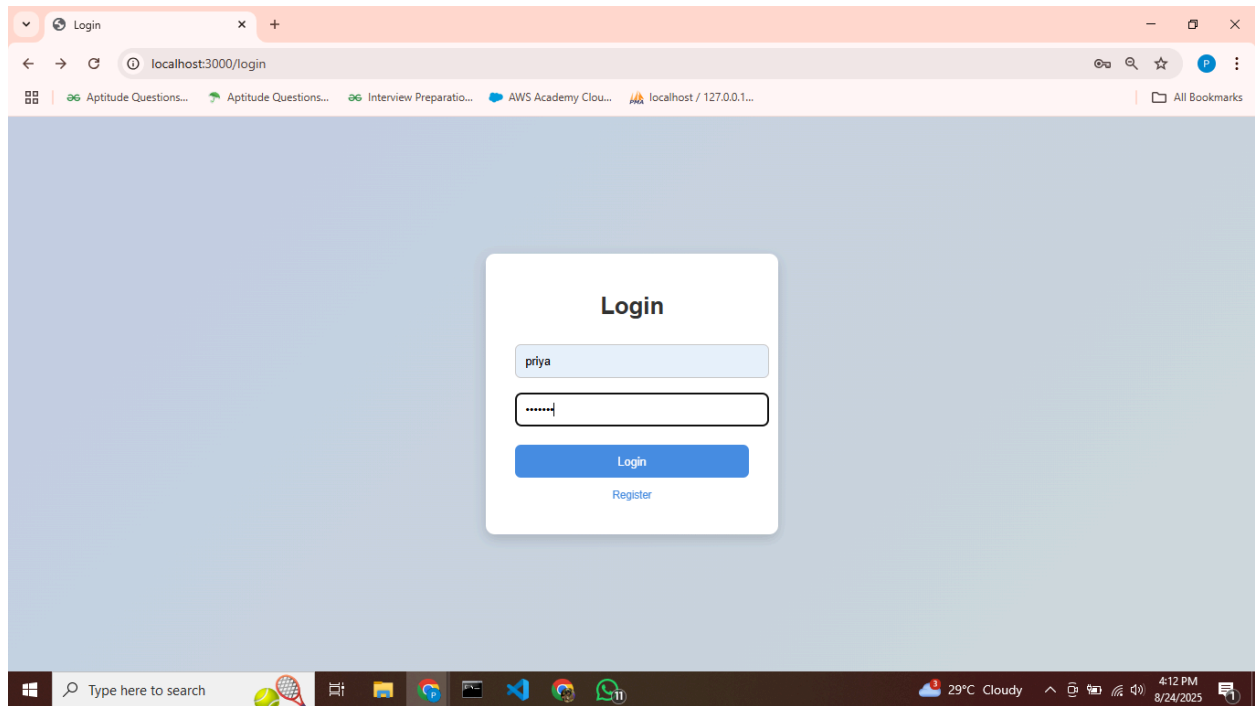


The screenshot shows a Visual Studio Code editor window with a file explorer on the left and a code editor in the center. The file explorer shows a project structure with a 'session' folder containing 'app.js'. The code editor displays the contents of 'app.js', which is an Express application setup. The code includes imports for 'express', 'express-session', 'session-file-store', and 'body-parser'. It sets up an Express app, configures session storage with 'FileStore', and defines a GET route for the root path that sends an HTML response with a login form.

```
Q2 > JS app.js > ...
1  const express = require('express');
2  const session = require('express-session');
3  const FileStore = require('session-file-store')(session);
4  const bodyParser = require('body-parser');
5
6  const app = express();
7  const PORT = 3000;
8
9  app.use(bodyParser.urlencoded({extended : true}));
10
11  app.use(
12    session({
13      store : new FileStore({ path : './session'}),
14      secret : 'your-secret-key',
15      resave : false,
16      saveUninitialized : false,
17      cookie : {maxAge : 3600000},
18    })
19  );
20
21  const USER = {
22    username : 'admin',
23    password : 'admin123',
24  };
25
26  app.get('/', (req, res) => {
27    res.send(`
28    <html>
29    <head>
30      <title>Login</title>
31    </head>
32    <body>
```

## Question-04 : Express Login application with redis session store.





**Question-04 :** Develop login for an ADMIN panel of ERP system with session, CRUD operations for employees table (generate empid and password) with salary calculation with mongoose, express and EJS template engine. Send email to employee when inserted. Encrypt the password. Logout.

Admin Login

Username:  
prajapatiPriya0803@gmail.com

Password:  
\*\*\*\*\*

Login

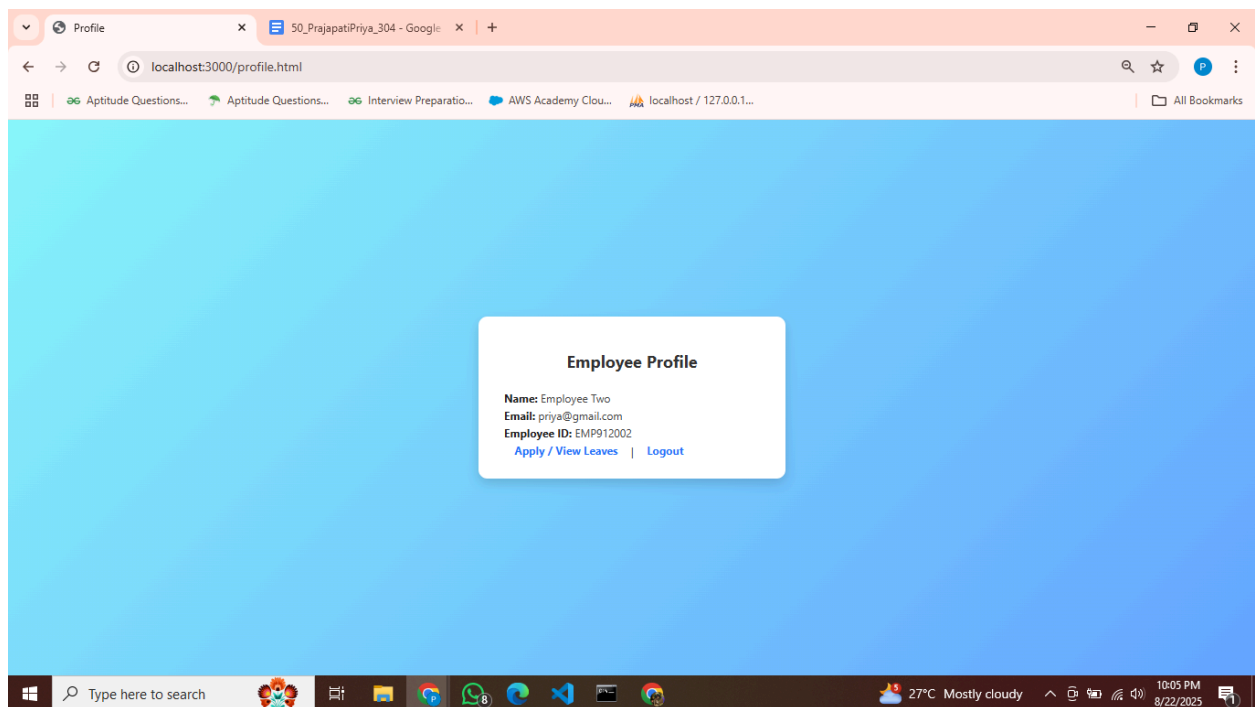
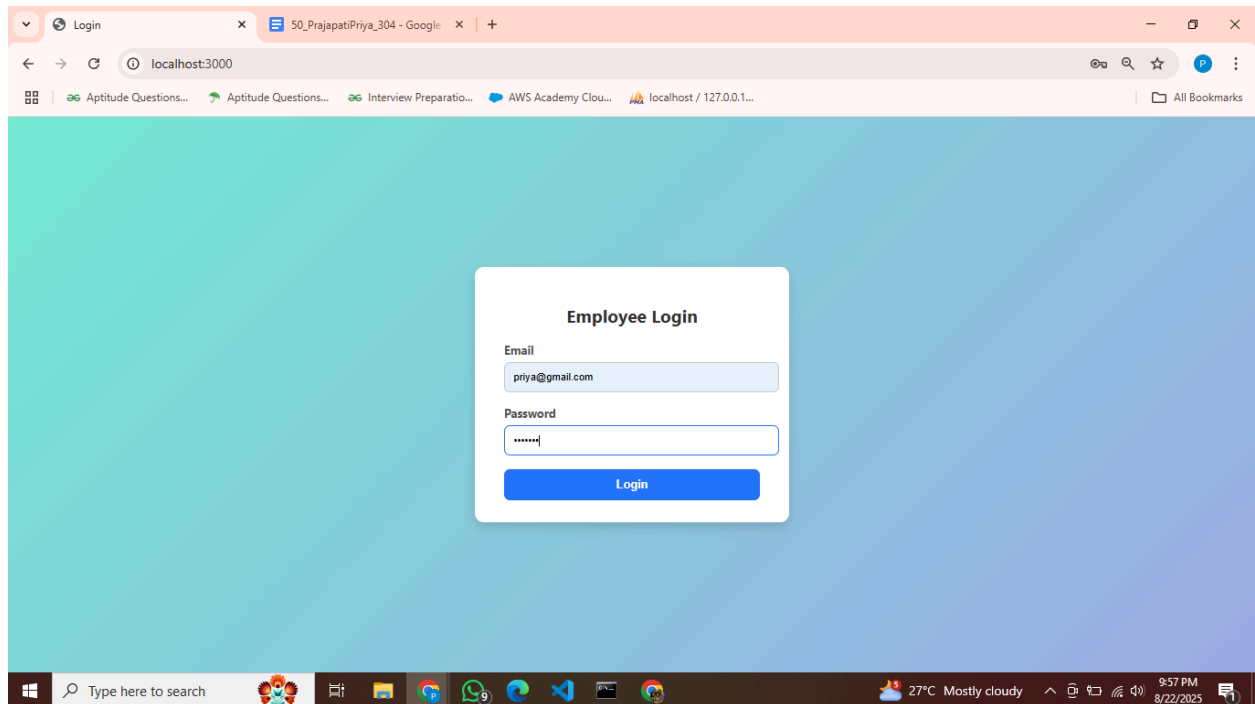
Employee List

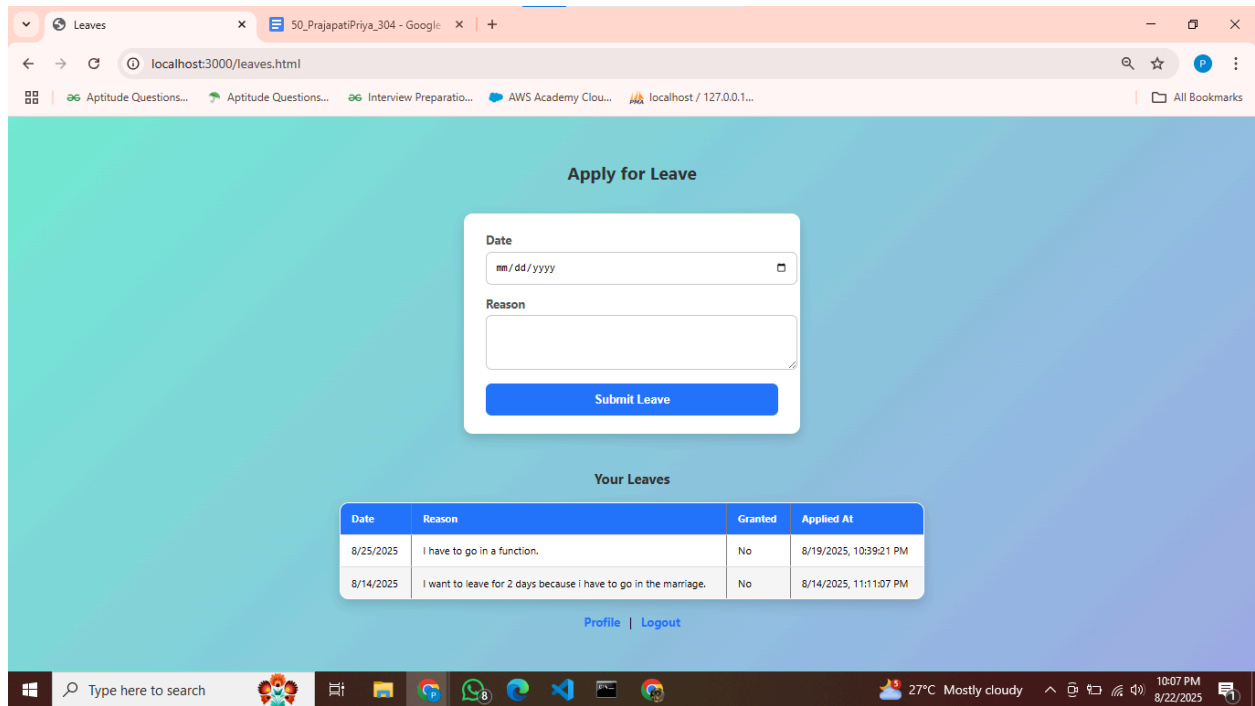
[Add Employee](#) | [Logout](#)

ID	Name	Email	Salary	Actions
EMP1755180934122	Prajapati Priya	prajapatiPriya0803@gmail.com	41100	<a href="#">Edit</a> <a href="#">Delete</a>
EMP1755181178678	Jadhav Swati	jadhavswati1108@gmail.com	50600	<a href="#">Edit</a> <a href="#">Delete</a>
EMP1755181263284	Rawal Prema	prerna@gmail.com	30500	<a href="#">Edit</a> <a href="#">Delete</a>

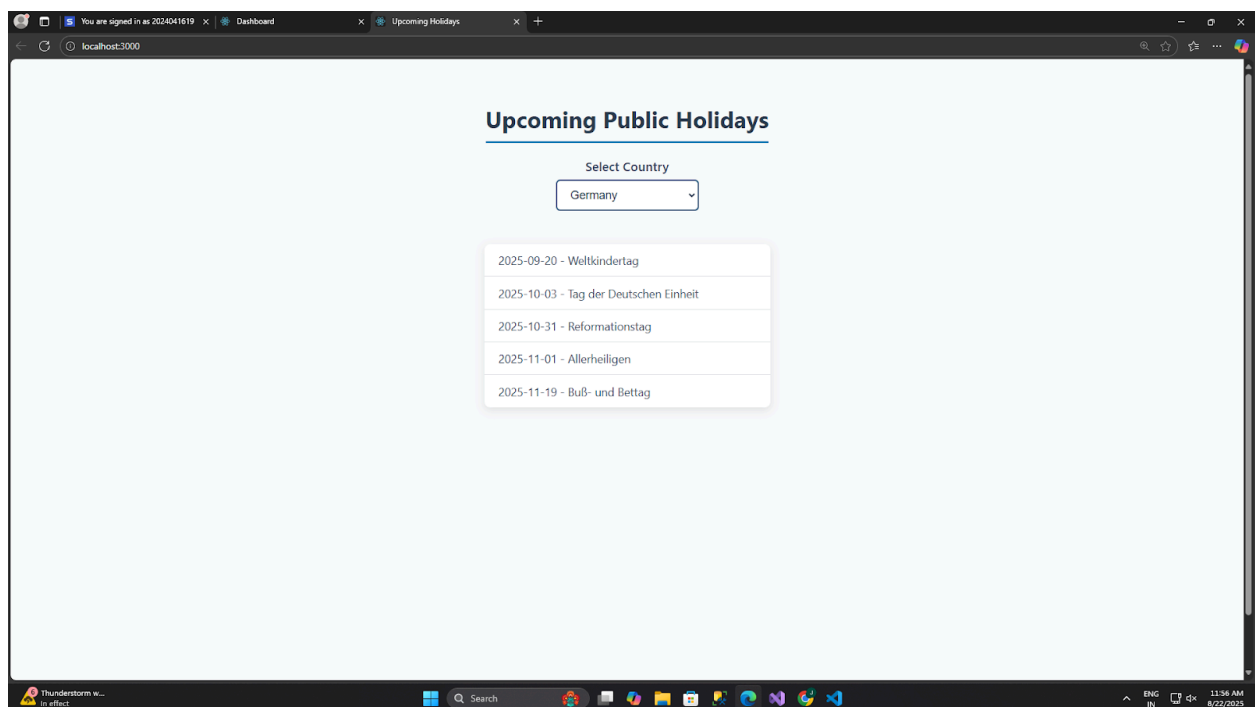
ID	Name	Email	Salary	Actions
EMP1755180934122	Prajapati Priya	prajapatiPriya0803@gmail.com	41100	<a href="#">Edit</a> <a href="#">Delete</a>
EMP1755181178678	Jadhav Swati	jadhavswati1108@gmail.com	50600	<a href="#">Edit</a> <a href="#">Delete</a>
EMP1755181263284	Rawal Prema	prerna@gmail.com	30500	<a href="#">Edit</a> <a href="#">Delete</a>

**Question-05 : Develop employee site (refer Q4 ) login with JWT, for employees with mongoose, express and frontend(html,css,javascript/jquery JAM Stack), -Page1) display employee profile . Page2) - Application for leave (fields date, reason, grant yes/no) Add, List - Logout.**



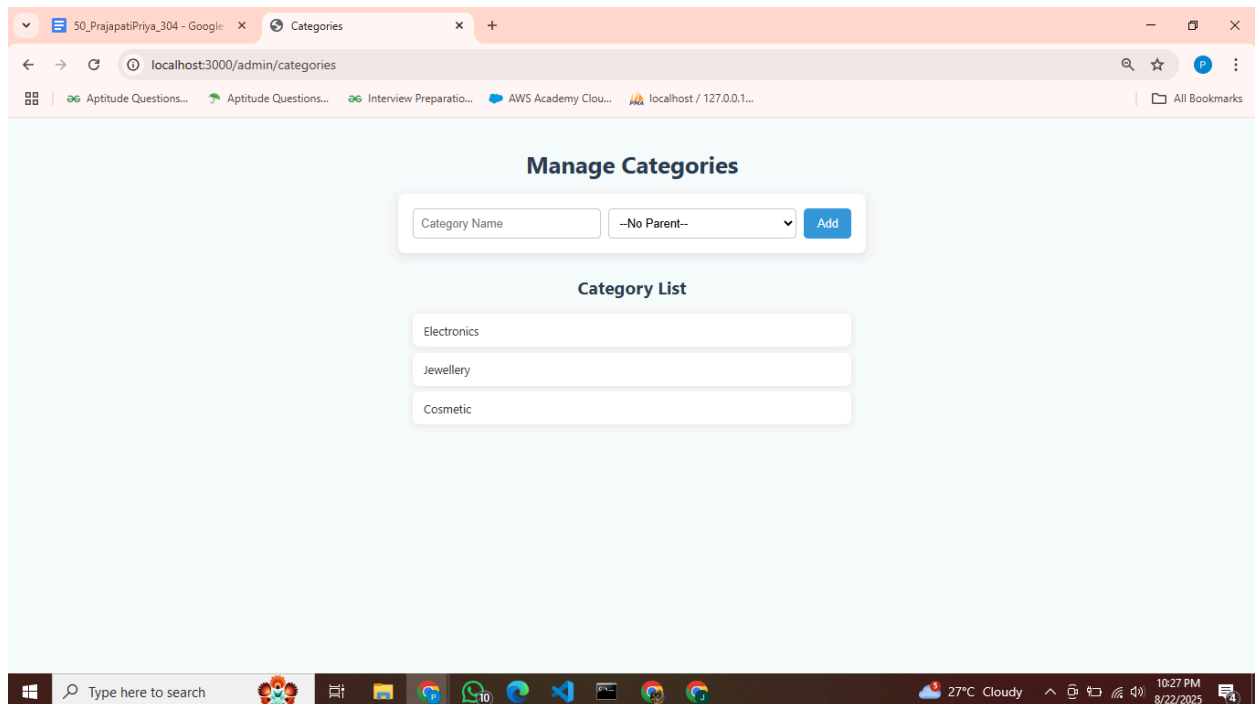


**Question-06 : Call any free api for a useful utility from frontend and backend.**



## Question-07 : Shopping cart with admin site and user site with (2 level) Category and Products.

### • Admin

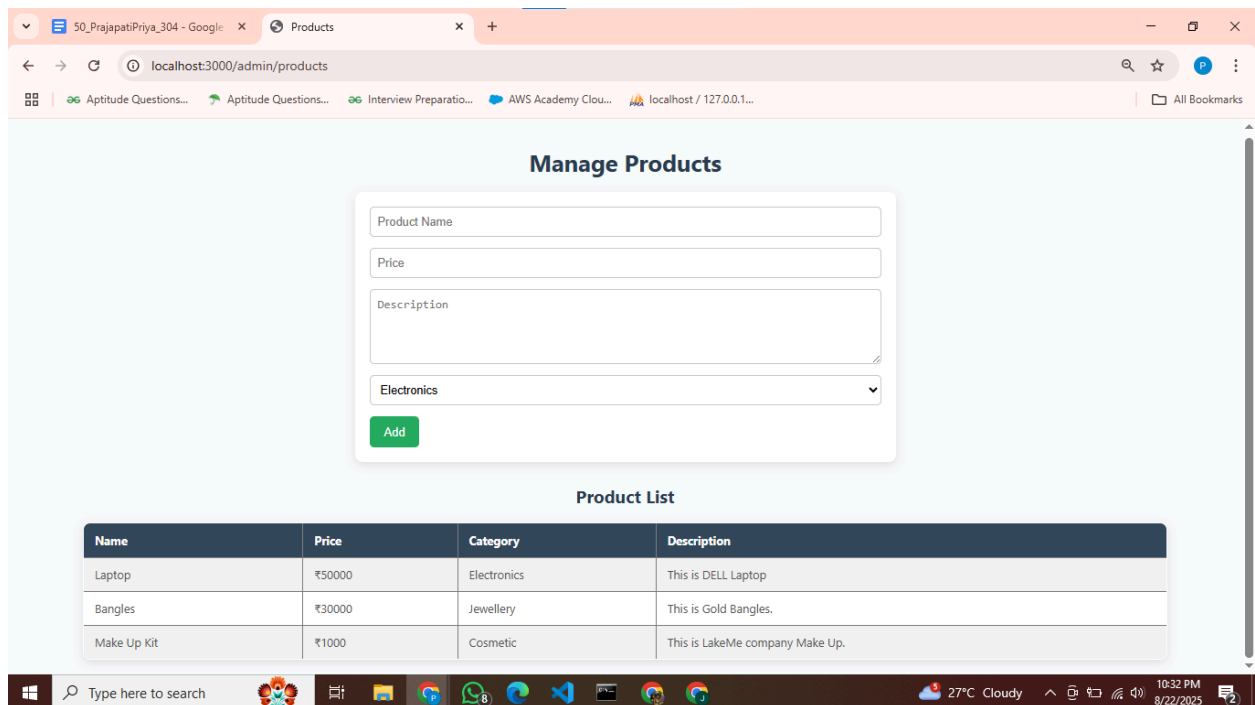


**Manage Categories**

Category Name  --No Parent-- ▼ Add

**Category List**

- Electronics
- Jewellery
- Cosmetic



**Manage Products**

Product Name

Price

Description

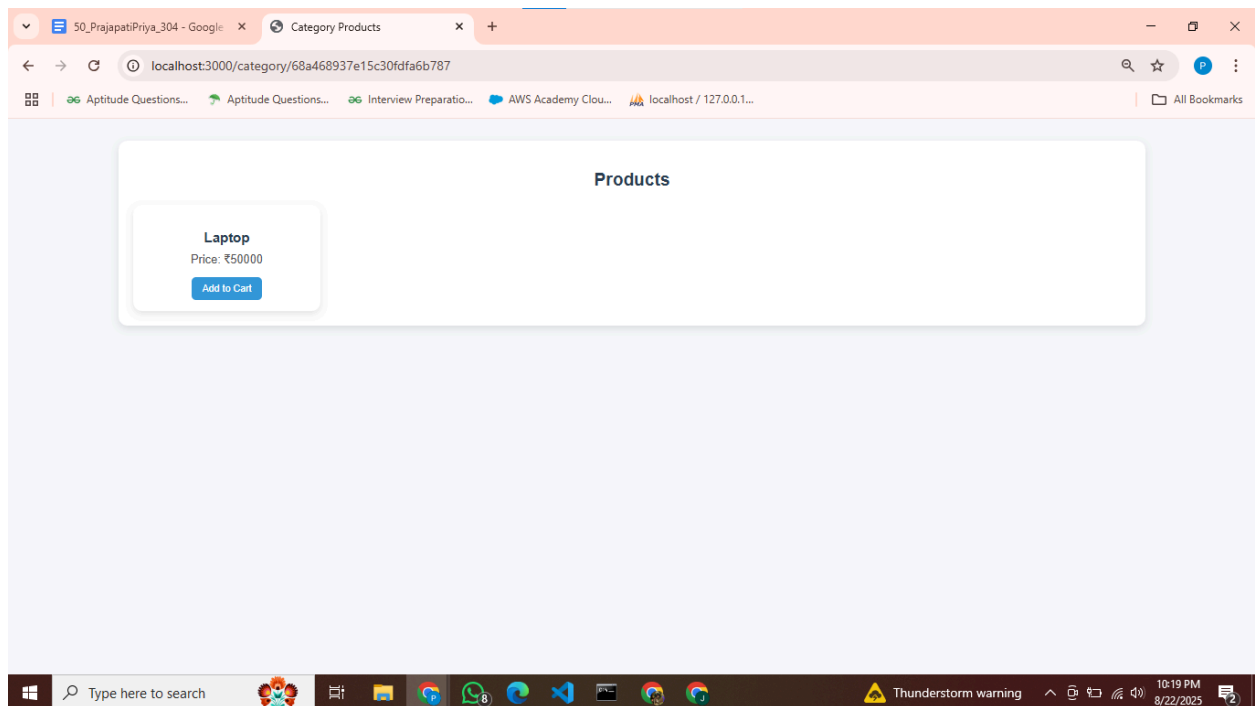
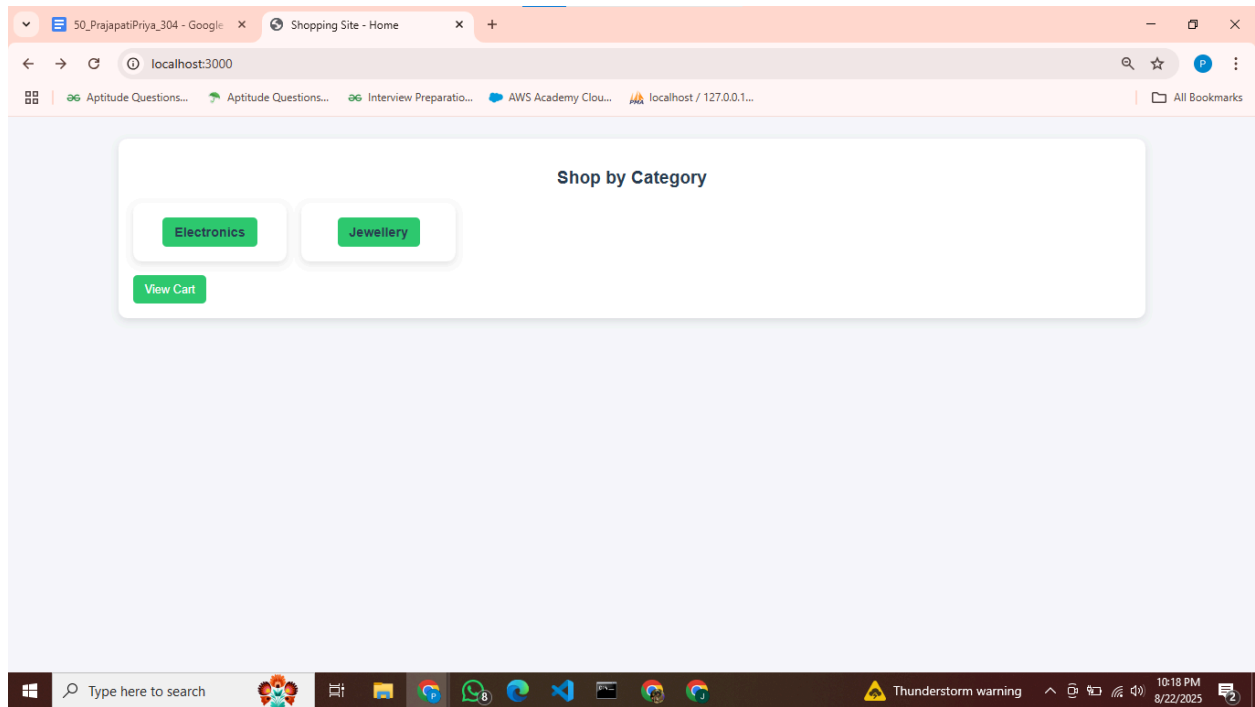
Electronics ▼ Add

**Product List**

Name	Price	Category	Description
Laptop	₹50000	Electronics	This is DELL Laptop
Bangles	₹30000	Jewellery	This is Gold Bangles.
Make Up Kit	₹1000	Cosmetic	This is LakeMe company Make Up.



## • User



50\_PrajapatiPriya\_304 - Google x Shopping Cart x +

localhost:3000/cart

Aptitude Questions... Aptitude Questions... Interview Preparatio... AWS Academy Clou... localhost / 127.0.0.1...

All Bookmarks

### Shopping Cart

PRODUCT	PRICE	QUANTITY	ACTION
Laptop	₹50000	2	<a href="#">Remove</a>
Bangles	₹30000	1	<a href="#">Remove</a>

[Continue Shopping](#)

Type here to search

Gold +0.93%

10:21 PM 8/22/2025

50\_PrajapatiPriya\_304 - Google x Shopping Cart x +

localhost:3000/cart

Aptitude Questions... Aptitude Questions... Interview Preparatio... AWS Academy Clou... localhost / 127.0.0.1...

All Bookmarks

### Shopping Cart

PRODUCT	PRICE	QUANTITY	ACTION
Laptop	₹50000	2	<a href="#">Remove</a>

[Continue Shopping](#)

Type here to search

4 cm of rain Sat

10:23 PM 8/22/2025