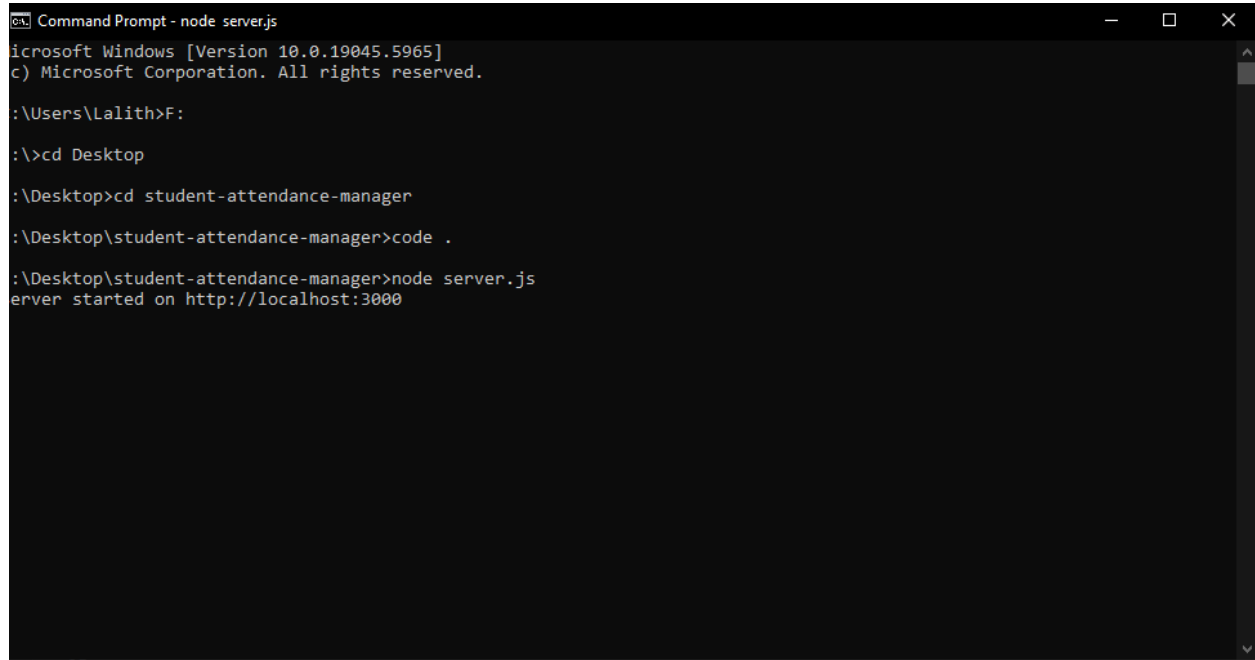


MONGODB-PROJECT

STUDENT ATTENDANCE MANAGER

The Student Attendance Manager is a web-based application designed to manage student registrations, maintain attendance records, and calculate attendance percentages. It features secure login, a student dashboard, and easy-to-use CRUD operations (Create, Read, Update, Delete) for both students and their attendance data.

LET'S START THE SERVER:



```
Command Prompt - node server.js
Microsoft Windows [Version 10.0.19045.5965]
(c) Microsoft Corporation. All rights reserved.

:\Users\Lalith>F:

:\>cd Desktop

:\Desktop>cd student-attendance-manager

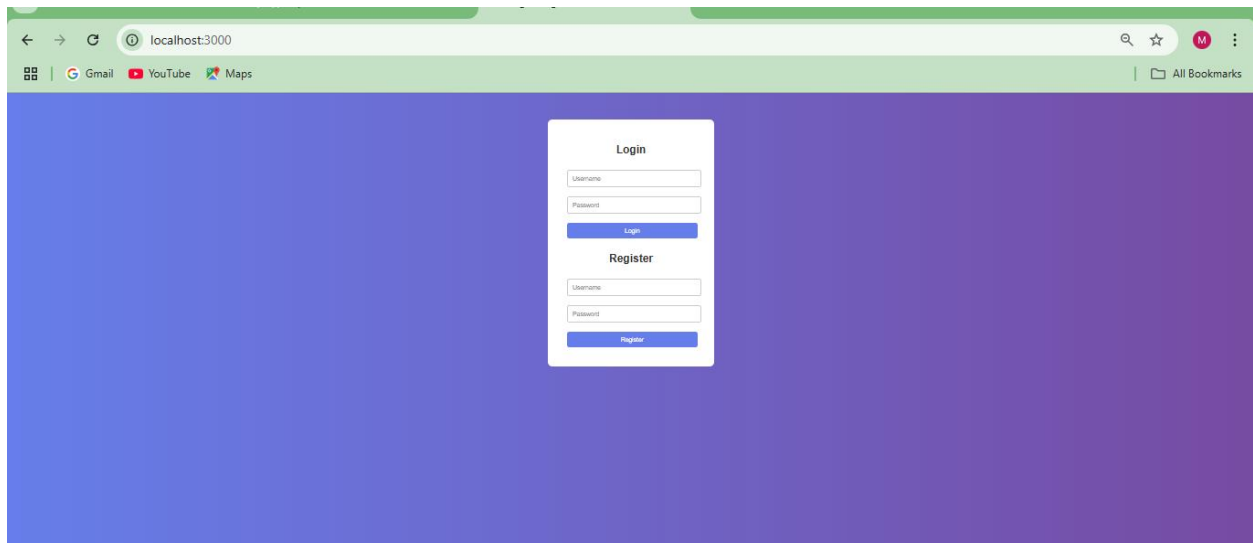
:\Desktop\student-attendance-manager>code .

:\Desktop\student-attendance-manager>node server.js
server started on http://localhost:3000
```

Take the url and paste in the browser:

<https://localhost:3000>

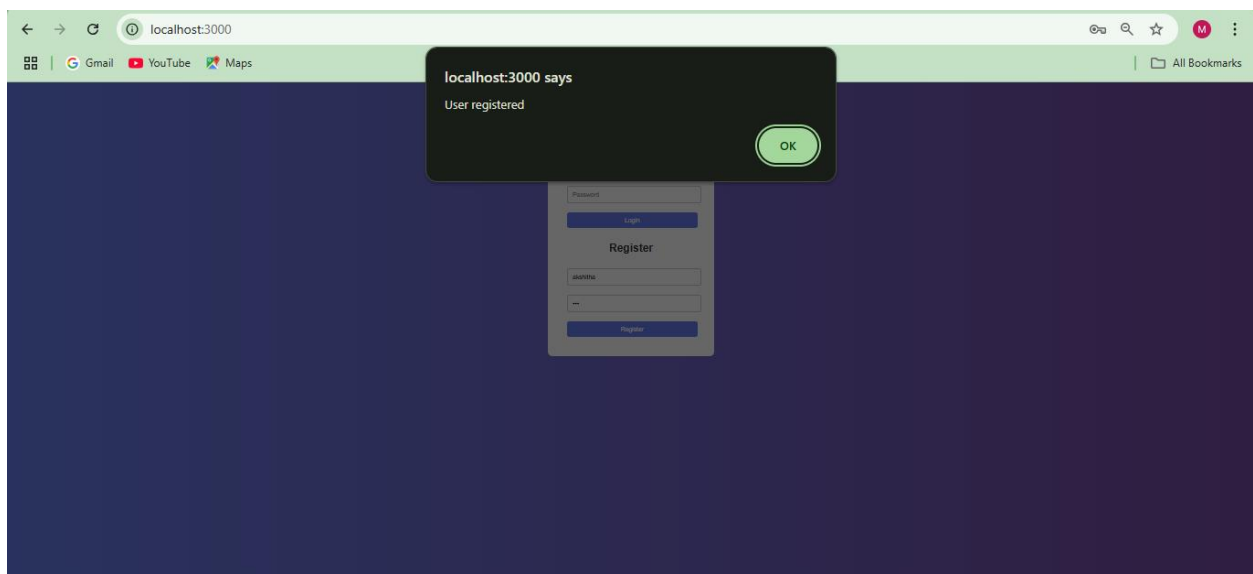
here is the login page:



Once the user register they can able to login the page.If there are not register at first it asks to register first.

Here the user didn't register first so its showing pop up to login failed, it clearly describes that credentials are not stored in the our data base [mongodb](#)

User registration:



User is successfully registered.

Dashboard interface:

Student Attendance Manager

Add Student

Student List

Name	Roll	Dept	Actions

Mark Attendance

dd-mm-yyyy

Present

View Attendance %

These is the overall dashboard where we can perform all operations.

Inserting the data in the required dash board:

Add Student

Student List

Name	Roll	Dept	Actions
akshitha	22BCB7073	CSBS	<input type="button" value="Delete"/>

Mark Attendance

akshitha

14-06-2025

Present

View Attendance %

akshitha

Attendance: 100.00%

Mongodb database:

DATABASE:

attendanceDB

COLLECTIONS:

Users

Students

Attendances

Users:

MongoDB Compass - akshitha/attendanceDB.users

Connections Edit View Collection Help

Compass

My Queries

CONNECTIONS (1)

Search connections

akshitha

- admin
- attendanceDB
 - attendances
 - students
 - users

akshitha > attendanceDB > users

Documents 0 Aggregations Schema Indexes 2 Validation

Type a query: { field: 'value' } or [Generate query](#)

EXPLAIN Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

25 1-1 of 1

```
{
  "_id": ObjectId('684d827df08c489ddc1f070f'),
  "username": "akshitha",
  "password": "$2b$10$vf2Pfo510WJG1ZbqUUsTouL4ja97yzYFK0YVu754i6Cj8/wZ9XT.W",
  "__v": 0
}
```

Students:

Connections Edit View Collection Help

Compass

My Queries

CONNECTIONS (1)

Search connections

akshitha

- admin
- attendanceDB
 - attendances
 - students
 - users

akshitha > attendanceDB > students

Documents 0 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

EXPLAIN Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

25 1-1 of 1

```
{
  "_id": ObjectId('684d8306f08c489ddc1f0715'),
  "name": "akshitha",
  "roll": "228CB87073",
  "department": "CSBS",
  "__v": 0
}
```

Attendances:

Compass

My Queries

CONNECTIONS (1)

Search connections

akshitha

- admin
- attendanceDB
 - attendances
 - students
 - users

akshitha > attendanceDB > attendances

Documents 0 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

EXPLAIN Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

25 1-1 of 1

```
{
  "_id": ObjectId('684d8328f08c489ddc1f0718'),
  "studentId": ObjectId('684d8306f08c489ddc1f0715'),
  "date": "2025-06-14",
  "present": true,
  "__v": 0
}
```

We can [update](#) the attendance on the same day:

Add Student

Student List

Name	Roll	Dept	Actions
akshitha	22BCB7073	CSBS	<input type="button" value="Delete"/>

Mark Attendance

View Attendance %

Attendance: 20.00%

Here I **update** attendance as absent now this will changes in database also:

akshitha

admin

attendanceDB

attendances

students

users

hookDB

ADD DATA

EXPORT DATA

UPDATE

DELETE

25

1 - 1 of 1

```

_id: ObjectId('684d84c2f08c489ddc1f0738')
studentId: ObjectId('684d8306f08c489ddc1f0715')
date: "2025-06-14"
present: false
__v: 0

```

Now I can delete the entire akshitha record and add new record:

Delete:

Add Student

Student List

Name	Roll	Dept	Actions
lasya	22BCB7228	CSBS	<input type="button" value="Delete"/>

Mark Attendance

View Attendance %

Attendance: 50.00%

BEFORE DELETION:

connections Edit View Collection Help

Compass

{ } My Queries

CONNECTIONS (1)

Search connections

- akshitha
 - admin
 - attendanceDB
 - attendances
 - students**
 - users
 - bookDB

akshitha > attendanceDB > students

Documents 0 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

25 1-1 of 1

```
{
  "_id": ObjectId('684d8396f08c489ddc1f0715'),
  "name": "akshitha",
  "roll": "22BCB7073",
  "department": "CSBS",
  "__v": 0
}
```

After deletion:

attendanceDB

- attendances
- students**
- users

```
{
  "_id": ObjectId('684d8538f08c489ddc1f073c'),
  "name": "lasya",
  "roll": "22BCB7228",
  "department": "CSBS",
  "__v": 0
}
```