

```
D:/express-js/>node install express
```

And then

```
D:\express-js>npm install ejs
```

☑ 1. Install Required Packages

Inside your project folder:

```
npm install express mysql body-parser
```

☐ 2. Create MySQL Table Example

In your MySQL database, run:

```
CREATE DATABASE testdb;

USE testdb;

CREATE TABLE users (
  id INT AUTO_INCREMENT PRIMARY KEY,
  name VARCHAR(100),
  email VARCHAR(100)
);
```

To **display MySQL database records below your form** in Express.js, you'll need to:

1. **Use EJS** (or another template engine) so you can insert dynamic data.
 2. **Query the MySQL database** and pass the result to the EJS template.
 3. **Loop through the data** inside the HTML to display it.
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☐ Final Goal: HTML Form + Show All Users Below It

☐ Step-by-Step Setup

1. ☐ Install EJS

In your project folder:

```
npm install ejs
```

2. Update app.js:-

```
const express = require('express');
const mysql = require('mysql');
const bodyParser = require('body-parser');
const path = require('path');

const app = express();
const PORT = 3000;

// MySQL connection
const db = mysql.createConnection({
  host: 'localhost',
  user: 'root',
  password: '', // Use your MySQL password
  database: 'testdb'
});

db.connect(err => {
  if (err) throw err;
  console.log('Connected to MySQL');
});

// Middleware
app.use(bodyParser.urlencoded({ extended: false }));
app.set('view engine', 'ejs');
app.set('views', path.join(__dirname, 'views'));

// Show form and users
app.get('/', (req, res) => {
  const sql = 'SELECT * FROM users';
  db.query(sql, (err, results) => {
    if (err) throw err;
    res.render('form', { users: results });
  });
});

// Handle form submission
app.post('/add-user', (req, res) => {
  const { name, email } = req.body;
  const sql = 'INSERT INTO users (name, email) VALUES (?, ?)';
  db.query(sql, [name, email], (err) => {
    if (err) throw err;
    res.redirect('/');
  });
});

app.listen(PORT, () => {
  console.log(`Server running at http://localhost:${PORT}`);
});
```

3. □ Create `views/form.ejs`

Create a file at: `views/form.ejs`:

```
<!DOCTYPE html>
<html>
<head>
  <title>Add User</title>
  <style>
    table, th, td {
      border: 1px solid black;
      border-collapse: collapse;
    }
    table {
      width: 60%;
      margin-top: 30px;
    }
    th, td {
      padding: 10px;
      text-align: left;
    }
  </style>
</head>
<body>
  <h2>Add User</h2>
  <form action="/add-user" method="POST">
    <label>Name:</label><br>
    <input type="text" name="name" required><br><br>
    <label>Email:</label><br>
    <input type="email" name="email" required><br><br>
    <input type="submit" value="Submit">
  </form>

  <h2>All Users</h2>
  <table>
    <tr>
      <th>ID</th>
      <th>Name</th>
      <th>Email</th>
    </tr>
    <% if (users.length > 0) { %>
      <% users.forEach(user => { %>
        <tr>
          <td><%= user.id %></td>
          <td><%= user.name %></td>
          <td><%= user.email %></td>
        </tr>
      <% }) %>
    <% } else { %>
      <tr>
        <td colspan="3">No users found.</td>
      </tr>
    <% } %>
  </table>

```

```
</table>
</body>
</html>
```

□ Now You Can:

- Visit: <http://localhost:3000>
- Add a user using the form
- See all users displayed in a table below

The screenshot shows a web browser window with the address bar displaying "localhost:3000". The page content includes a section titled "Add User" with two input fields for "Name:" and "Email:", and a "Submit" button. Below this is a section titled "All Users" containing a table with three columns: "ID", "Name", and "Email". The table lists three users: ID 1 (om sir, omnetworkkom@gmail.com), ID 2 (raj singh, rajsingh@gmail.com), and ID 3 (KHAN NARGIS, narigs@gmail.com).

ID	Name	Email
1	om sir	omnetworkkom@gmail.com
2	raj singh	rajsingh@gmail.com
3	KHAN NARGIS	narigs@gmail.com