

Assignment 1

a. Create a responsive web page which shows the ecommerce/college/exam admin dashboard with sidebar and statistics in cards using HTML, CSS and Bootstrap.

STEPS:

- 1) Goto Google Search-> "Bootstrap CDN"
 - a. Then copy link of both cdn's
 - b. Paste in registration form
 - 2) Copy any registration form from google
 - 3) Copy any login form from google
 - 4) Copy a dashboard also
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b. Write a JavaScript Program to get the user registration data and push to array/local storage with AJAX POST method and data list in new page.

STEPS:

- 1) Copy a simple Registration page with username, email and password fields.
- 2) Add Bootstrap links to <head> tag
- 3) Copy simple JS code in <script> tag in <head> section.
- 4) Run in Chrome
- 5) After filling details click "register". Then right click>inspect>Application>Local Storage.

Assignment 2

a. Create version control account on GitHub and using Git commands to create repository and push your code to GitHub.

STEPS:

- 1) Copy a simple login form from google
 - 2) Push that login form to your Github
 - a. Open Terminal
 - b. `git init`
 - c. `git remote add origin //your repository link`
 - d. `git add index.html`
 - e. `git commit -m "Add index.html"`
 - f. `git branch -M main`
 - g. `git push -u origin main`
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c. Create an Angular application which will do following actions: Register User, Login User, Show User Data on Profile Component

STEPS:

- 1) Create folder Assign02C
 - a. Open terminal
 - b. Install angular: `npm install -g @angular/cli@latest`
 - c. `ng new practical02c`
 - d. in vs code goto `src>app.app.component.html` & `app.component.ts`
 - e. in `app.component.html`->make name, email, address, contact and register button
 - f. PASTE the copied code in `app.app.component.html` & `app.component.ts`
 - g. Goto terminal>`ng serve`
 - h. `Cd practical02c`
 - i. `ng serve --port 4000`

Assignment 3

a. Create a Node.JS Application which serves a static website.

STEPS:

- 1) Copy any .html file such as (login form, registration form, etc.)
 - 2) make index.js file and paste copied code
 - 3) goto terminal
 - a) npm init
 - b) npm install express --save
 - c) node index.js
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b. Create four API using Node.JS, ExpressJS and MongoDB for CRUD Operations on assignment 2.C.

STEPS:

- 1) Make new folder: assign03b
- 2) In this folder make a new file: index.js => PASTE CODE
- 3) New terminal:
 - a. Npm init
- 4) OPEN mongodb
- 5) New connection>save connection
- 6) Open MONGOSH(bottom left)
- 7) Show databases
- 8) Use Akshat
- 9) Db.createCollection('Profile')
- 10) Akshat>db.createCollection('Profile')
- 11) Db.Profile.insertOne({name:'Akshat', email:'akshat@gmail.com', city:'nashik'})
- 12) NOW IN VS CODE:
 - a. Make new file mongodb.js => PASTE CODE
 - b. Open terminal
 - i. npm i mongodb
 - ii. npm i express
 - iii. node index.js
- 13) GOTO CHROME: TYPE=> localhost:4000
- 14) Copy url
- 15) Paste In postman software: https://localhost:4000/getData