Fundamentals of Full stack Web Development

Class Assignment – 1

Q1. Answer in Short

1. What are Standalone Components in Angular 17?
2. What is Lazy Loading in Angular Routing?
3. What is a BehaviorSubject in RxJS?
4. What is Express.js?

Q2. Answer in Brief

1. Explain Angular Project Setup & Folder Structure for Large Applications.
2. Explain Route Guards: CanActivate and CanDeactivate.
3. Explain the following Express.js features:
   (a) GET (b) POST (c) PUT (d) DELETE (e) req.params
4. Define Middleware in Express.js. Explain different types of Middleware with a suitable example of any one type.

Home Assignment – 1

Q1. Answer in Short

1. What is the purpose of nodemon in a Node.js project?
2. What is a FormArray in Angular Reactive Forms?
3. What is CORS and why is it used?
4. What is req.params? Give example.

Q2. Answer in Brief

1. Explain Custom Middleware with an example.
2. Explain state handling using RxJS Subjects and BehaviorSubjects in Angular
3. Explain dynamic Reactive Forms with FormArray and custom validation.
4. Explain connecting routes to controller logic in Express.

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