**Exercise 3 – Express JS**

(Covers Cookies, Sessions, Authentication)

1. **Create a student portal login system using Express.js**
   * Create a /register route to add a student with a rollNo, name, and password.
   * Use express-session to store the session after successful login from /login.
   * On login, also set a cookie studentPortalAccess with the student's roll number and an expiry of 3 minutes.
   * Use middleware (cookie-parser and express-session) to manage cookies and sessions.
2. **Design a protected route /result that only logged-in students can access**
   * Use session middleware to verify if the student is logged in.
   * If valid, show: "Hi [name], your results are available!".
   * If not, return: "Access denied: Please login to view results."
   * Add a /logout route to destroy the session and clear the cookie.
3. **Build a course enrollment route /courses with GET and POST**
   * Use GET /courses to return a list of available courses (only if logged in).
   * Use POST /courses to enroll the logged-in student into a course.
   * On successful enrollment, create a cookie named lastEnrolledCourse (valid for 2 mins).
   * Add error handling for:
     + Trying to enroll without being logged in
     + Enrolling in a course already taken