Lab Assignment – IV

Course: Internet and Web Technology
Semester: MCA 4th Semester

1) Setup NodeJS. Create a simple form with single Calendar for taking Date of Birth as input. Take the DoB in three separate variables of day, month and year. Send these three variables over GET request to server side at path '/age' [For Dob input 20/10/2000, the GET request will go to server with day=20, month=09, year=2000. Hint: Javascript Date Library has Month starting with index 0]. The server side will render a webpage showing age of the user. Perform this operation without using Express framework.

2) Setup Express via NPM. Create a registration form that will have fields for user's name, email, contact no., password and repeat password. Send the information via POST request using Express.
Assign an unique user id to the user based on <"first name"."a number"> with first name in lowercase. Keep that user id in an array. For every new registration, check the array and increment the number if necessary. As an example, with empty array an user "Sachin Kumar" will have user id "sachin.1", then an user "Rahul Garg" will have id "rahul.1", whereas next user "Sachin Vyas" will have user id "sachin.2". The page loaded by server will show, "Wecome <name>, your user id is <user id>", such as "Welcome Sachin Vyas, your user id is sachin.2".

3) Extend Project 2 to store complete information of the users (for now, in array of objects. In next Lab, we will setup MySQL database). Create a Login form. On valid login (for now, search through the array of objects for requested user id/password pair), server will render a page stating "Welcome, <name>". Otherwise, it will render "Invalid Login".

4) Create a middleware Express function to log all requests in console in the format "Received <request type> Request on <URL>".