

School of Computer Science Engineering and Information Systems

Full Stack Web Development –Lab PAT -2

Slot:L3+L4 CourseId PMCA601P Prof. Sumangali K Max.Marks:10

DATE GIVEN: 10/3/2025

Q1. Develop a Banking Portal using a Node.js application. The script maintains a JSON array for user details and account details. User Details consist of key-value pairs for UserID, Password, Account Type, and Role. The Role can be Customer or Bank Staff. Account Details include Account Number, Account Type, Balance, Branch, and Customer Name. Write a Node.js script to:

- Authenticate the credentials data <User ID, Password, Role> supplied through an HTML form.
- On a successful login as a Customer, display the account details along with the balance in an HTML table view.

Q2. Write appropriate jQuery script for below requirements:

blue is a color that many people love. It is never dull and never boring. The sky is often blue, and the ocean too. Never underestimate the beauty of blue.

Blue	Change	Count Words	Count Occurrence of word NEVER
------	--------	-------------	--------------------------------

- When the change button is clicked, replace all occurrences of the word Blue to the text in the input field, e.g., Purple.
- Click 'Count Words' button to display count of number of words in paragraph highlighted in brown color using Alert box.
- Click 'Count Occurrence of word NEVER' button to count and display number of occurrences of the word "never" in paragraph highlighted in brown color using alert box.

Q3. . Write a jQuery program to implement the following interactive features on an HTML page:

- Hide a paragraph upon clicking a button.
- Toggle the visibility of an image when another button is clicked.
- Change the background color of all <div> elements to yellow on mouse hover and revert it when the mouse leaves.

- iv) Animate the width of a `<div>` to 300px over 2 seconds when a button is clicked.
- v) Show an alert displaying the content of an input field when a button is clicked.