

Lab 4: Document Object Model (Total Marks: 20)

Submission Instruction

Please submit zipped (compressed) file with roll number as filename. The zip should contain 2 directories with three files as part of submission:

```
[Roll_No].zip
|----Q1
|    |---- index.html
|    |---- script.js
|    |---- style.css
|---- Q2
|    |---- index.html
|    |---- script.js
|    |---- style.css
```

Task 1: Dynamic Greeting Card (10 Marks)

Create a simple "greeting card" that a user can personalize. The card's content and style should change based on user interaction.

Project Requirements:

- **HTML Structure:**
- A div with the id as "**card**".

- Inside the “**card**” div, there must be:
 - An **h2** element with the id of “**greeting-text**”. Its initial text should be "Hello, Guest!".
 - A **p** element with the id of “**card-message**”. It can contain any placeholder text you like.
- A button with the id of “**personalize-btn**”. The button text should be "Personalize".

Functionality:

- When the button with id “**personalize-btn**” is clicked, the user should be prompted to enter their name.
 - The text of the greeting-text element should update to "Hello, [User's Name]!", where [User's Name] is the name entered by the user via prompt.
 - The “**card-message**” element's text should change to a new, welcoming message.
 - The background color of the **card** div should change.
 - The text color of the “**greeting-text**” element should change.
-

Task 2: Simple To-Do List (10 Marks)

Build a basic to-do list application that allows users to add new tasks to a list.

Project Requirements:

HTML Structure:

- An input field of type text with the id of **task-input**. This is where the user will type their task.
- A button with the id of **add-task-btn**. The button text should be "Add Task".
- An empty unordered list () with the id of **task-list**. This list will display the tasks.

Functionality:

- When the **add-task-btn** is clicked, a new list item () should be created.
- The text content of the new should be the value from the **task-input** field.
- The new should be added to the end of the **task-list**.
- After a task is added, the **task-input** field should be cleared.
- Validation: If the **task-input** field is empty when the button is clicked, no new task should be added to the list.

