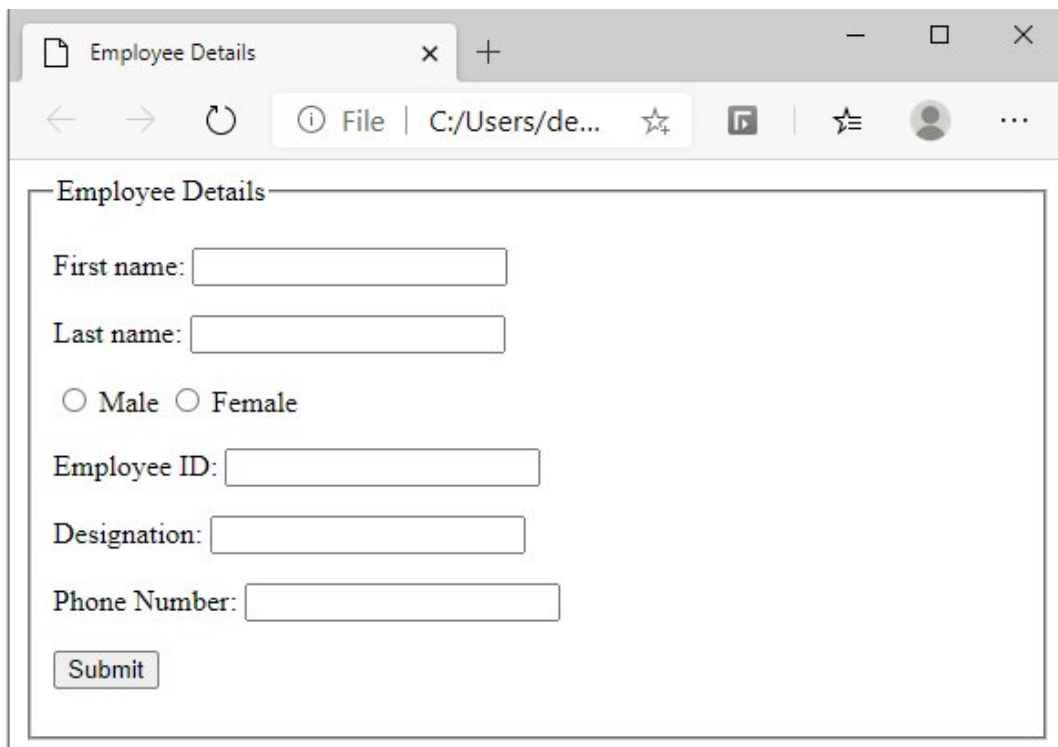


Practical No: 1**Practical Name: Design a webpage with HTML Form.****Roll No:**

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Employee Details</title>
</head>
<body>
  <form>
    <fieldset>
      <legend>Employee Details</legend>
      <p>
        First name: <input type = "text" name = "fname" />
      </p>
      <p>
        Last name: <input type = "text" name = "lname" />
      </p>
      <p>
        <input type = "radio" name = "Gender" value = "Male"> Male
        <input type = "radio" name = "Gender" value = "Female"> Female
      </p>
      <p>
        Employee ID: <input type = "text" name = "ID" />
      </p>
      <p>
        Designation: <input type = "text" name = "ID" />
      </p>
      <p>
        Phone Number: <input type = "text" name = "phone" />
      </p>
      <p>
        <input type = "submit" name = "submit" value = "Submit" />
      </p>
    </fieldset>
  </form>
</body>
</html>
```

Output:



A screenshot of a web browser window titled "Employee Details". The browser's address bar shows the file path "C:/Users/de...". The form contains the following fields and controls:

- First name:** A text input field.
- Last name:** A text input field.
- Gender:** Two radio buttons labeled "Male" and "Female".
- Employee ID:** A text input field.
- Designation:** A text input field.
- Phone Number:** A text input field.
- Submit:** A button at the bottom left of the form.

Practical No: 2**Practical Name: Design a webpage using CSS.****Roll No:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My Webpage</title>
  <style>
    h1 {
      color: green;
      text-align:
        center; font-
        size: 50px;
    }

    p {
      font-size:
        25px; color:
        blue;
      text-align: center;
    }

    .container {
      text-align: center;
    }

    .btn {
      background-color:
        red; color: white;
      border-radius:
        5px; padding:
        10px 20px; text-
        decoration: none;
    }

    .btn:hover {
      background-color: #0056b3;
    }

  </style>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
  <header>
    <h1>Welcome to My Webpage</h1>
```

```

</header>
<section class="main-content">
  <h1 style="color: red;"> Welcome to Godavari Institute of Management and Research,
Jalgaon</h1>
</section>
<h3> Godavari Institute Of Management & Research, Jalgaon is located in Jalgaon,
Maharashtra. It is a premier institute in higher education and offers PG in Full Time mode in
the form of Degree
programmes. The most popular programmes offered at Godavari Institute Of Management
& Research, Jalgaon, are MBA/PGDM and MCA programmes. </h3>
<div class="container">
  <a href= "http://gimrjal.ac.in/"class="btn">Visit Us</a>
</div>
<footer><p>P-54, Additional MIDC, Near Bharat Petroleum, Jalgaon</p> </footer>
</body>
</html>

```

CSS Code:

```

body {
  font-family: 'Arial', sans-serif;
  margin: 0;
  padding: 0;
}

header {
  background-color:
pink; color: orange;
  text-align: center;
  padding: 20px;
}

.main-content {
  vmax-width: 800px;
  margin: 20px auto;
  padding: 20px;
  border: 1px solid #ccc;
}

footer {
  background-color: pink;
  color: #fff;
  text-align: center;
  padding: 10px; position:
fixed; bottom: 0;
  width: 100%;
}

```

Output:

Welcome to My Webpage

Welcome to Godavari Institute of
Management and Research,
Jalgaon

Godavari Institute Of Management & Research, Jalgaon is located in Jalgaon, Maharashtra. It is a premier institute in higher education and offers PG in Full Time mode in the form of Degree programmes. The most popular programmes offered at Godavari Institute Of Management & Research, Jalgaon are MBA/PGDM and MCA programmes.

Visit Us

P-54, Additional MIDC, Near Bharat Petroleum, Jalgaon

After Clicking on Visit Us button

The screenshot displays the official website of the Godavari Institute of Management & Research (GIMR). The header features the GIMR logo, accreditation details ('B+' NAAC Accredited ISO 9001:2015 Certified Institution), and navigation links (Alumni, Photo Gallery, Important Links, Contact Us). Below the header, the institute's name is prominently displayed along with its affiliations (NMU, Jalgaon; AICTE, New Delhi; State Govt. of Maharashtra). A blue navigation bar contains links to Home, About Us, Admission, Academics, T & P, IQAC, NAAC, Research, Facilities, and Student Corner. The main content area features a large photograph of the institute's building. Below the photo is an 'Enquiry Form' section with a 'Vision...' statement: "Develop the Institute as a center of excellence in Management Education & Research." and a 'Mission...' statement. To the right of the enquiry form is a 'News & Announcements' section.

GIMR
Godavari Foundation's
Godavari Institute Of Management & Research, Jalgaon
O Affiliated to NMU, Jalgaon. O Approved by AICTE, New Delhi. O Recognised by State Govt. of Maharashtra

Home About Us Admission Academics T & P IQAC NAAC Research Facilities Student Corner

GODAVARI INSTITUTE OF MANAGEMENT & RESEARCH

Enquiry Form

Vision...
"Develop the Institute as a center of excellence in Management Education & Research."

Mission...

News & Announcements

Practical No: 3

Practical Name: Demonstrate different operators in JavaScript.

Roll No:

// Arithmetic Operators

```
let a = 5;
```

```
let b = 2;
```

```
console.log("a + b =", a + b); // Addition
```

```
console.log("a - b =", a - b); // Subtraction
```

```
console.log("a * b =", a * b); // Multiplication
```

```
console.log("a / b =", a / b); // Division
```

```
console.log("a % b =", a % b); // Modulus
```

// Assignment Operators

```
let c = 10;
```

```
c += 5; // c = c + 5
```

```
console.log("c += 5:", c);
```

```
c -= 3; // c = c - 3
```

```
console.log("c -= 3:", c);
```

```
c *= 2; // c = c * 2
```

```
console.log("c *= 2:", c);
```

```
c /= 4; // c = c / 4
```

```
console.log("c /= 4:", c);
```

```
c %= 3; // c = c % 3
```

```
console.log("c %= 3:", c);
```

// Comparison Operators

```
let x = 5;
```

```
let y = "5";
```

```
console.log("x == y:", x == y); // Equal (value only)
```

```
console.log("x != y:", x != y); // Not equal (value only)
```

```
console.log("x > y:", x > y); // Greater than
```

```
console.log("x < y:", x < y); // Less than
```

// Logical Operators

```
let p = true;
```

```
let q = false;
```

```
console.log("p && q:", p && q); // Logical AND
```

```
console.log("p || q:", p || q); // Logical OR
```

```
console.log("!p:", !p); // Logical NOT
```

// Bitwise Operators

let num1 = 10; // 1010 in binary

let num2 = 5; // 0101 in binary

console.log("num1 & num2:", num1 & num2); // Bitwise AND

console.log("num1 | num2:", num1 | num2); // Bitwise OR

console.log("num1 ^ num2:", num1 ^ num2); // Bitwise XOR

console.log("~num1:", ~num1); // Bitwise NOT

console.log("num1 << 1:", num1 << 1); // Left shift

console.log("num1 >> 1:", num1 >> 1); // Right shift

Output:

a + b = 7

a - b = 3

a * b = 10

a / b = 2.5

a % b = 1

c += 5: 15

c -= 3: 12

c *= 2: 24

c /= 4: 6

c %= 3: 0

x == y: true

x != y: false

x > y: false

x < y: false

p && q: false

p || q: true

!p: false

num1 & num2: 0

num1 | num2: 15

num1 ^ num2: 15

~num1: -11

num1 << 1: 20

num1 >> 1: 5

Practical No: 4

Practical Name: Demonstrate a HTML document using JavaScript to demonstrate Conditional & Lopping Statements.

Roll No:

let i = 0;

// Conditional Statements

```
if (i < 5) {  
    console.log("i is less than 5");  
} else if (i === 5) {  
    console.log("i is equal to 5");  
} else {  
    console.log("i is greater than 5");  
}
```

// Switch Statement

```
switch (i) {  
    case 0:  
        console.log("i is zero");  
        break;  
    case 1:  
        console.log("i is one");  
        break;  
    default:  
        console.log("i is neither zero nor one");  
}
```

// For Loop

```
console.log("For Loop:");  
for (let j = 0; j < 3; j++) {  
    console.log("j is", j);  
}
```

// While Loop

```
console.log("While Loop:");  
let k = 0;  
while (k < 3) {  
    console.log("k is", k);  
    k++;  
}
```

// Do-While Loop

```
console.log("Do-While Loop:");  
let l = 0;  
do {  
    console.log("l is", l);  
    l++;  
}  
while (l < 3);
```


Output:

i is less than 5

i is zero

For Loop:

j is 0

j is 1

j is 2

While Loop:

k is 0

k is 1

k is 2

Do-While Loop:

l is 0

l is 1

l is 2

Practical No: 5

Practical Name: Design a dynamic web form with validations using JavaScript.

Roll No:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Dynamic Web Form with Validation</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f0f0f0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }
    .form-container {
      background-color: white;
      padding: 20px;
      border-radius: 8px;
      box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
      width: 300px;
    }
    .form-container h2 {
      text-align: center;
      margin-bottom: 20px;
    }
    .form-container input {
      width: 100%;
      padding: 8px;
      margin: 10px 0;
      border: 1px solid #ddd;
      border-radius: 4px;
    }
    .form-container button {
      width: 100%;
      padding: 10px;
      background-color: #4CAF50;
      color: white;
      border: none;
      border-radius: 4px;
      cursor: pointer;
    }
    .form-container button:hover {
      background-color: #45a049;
    }
    .error {
      color: red;
      font-size: 12px;
```

```

        margin-bottom: 10px;
    }
</style>
</head>
<body>

<div class="form-container">
    <h2>Registration Form</h2>
    <form id="registrationForm">
        <div>
            <label for="name">Name:</label>
            <input type="text" id="name" name="name" required>
            <div id="nameError" class="error"></div>
        </div>
        <div>
            <label for="email">Email:</label>
            <input type="email" id="email" name="email" required>
            <div id="emailError" class="error"></div>
        </div>
        <div>
            <label for="age">Age:</label>
            <input type="number" id="age" name="age" required>
            <div id="ageError" class="error"></div>
        </div>
        <button type="submit">Submit</button>
    </form>
</div>

<script>
    document.getElementById('registrationForm').addEventListener('submit', function(event) {
        event.preventDefault();

        let valid = true;

        // Reset error messages
        document.getElementById('nameError').innerText = "";
        document.getElementById('emailError').innerText = "";
        document.getElementById('ageError').innerText = "";

        // Validate name
        let name = document.getElementById('name').value;
        if (name === "") {
            valid = false;
            document.getElementById('nameError').innerText = 'Name is required.';
        }

        // Validate email
        let email = document.getElementById('email').value;
        const emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,6}$/;
        if (!emailPattern.test(email)) {
            valid = false;
            document.getElementById('emailError').innerText = 'Please enter a valid email address.';
        }
    });
</script>

```

```

    }

    // Validate age
    let age = document.getElementById('age').value;
    if (age < 18 || age > 100) {
        valid = false;
        document.getElementById('ageError').innerText = 'Age must be between 18 and 100.';
    }

    if (valid) {
        alert('Form submitted successfully!');
    }
    });
</script>

</body>
</html>

```

Output:

Registration Form

Name:

john32@gmail.com

Age:

27

Submit

Registration Form

Name:

John

Email:

john32@ ×

You must enter a valid email address

29

Submit

Practical No: 6**Practical Name: Design a webpage with Bootstrap.****Roll No:**

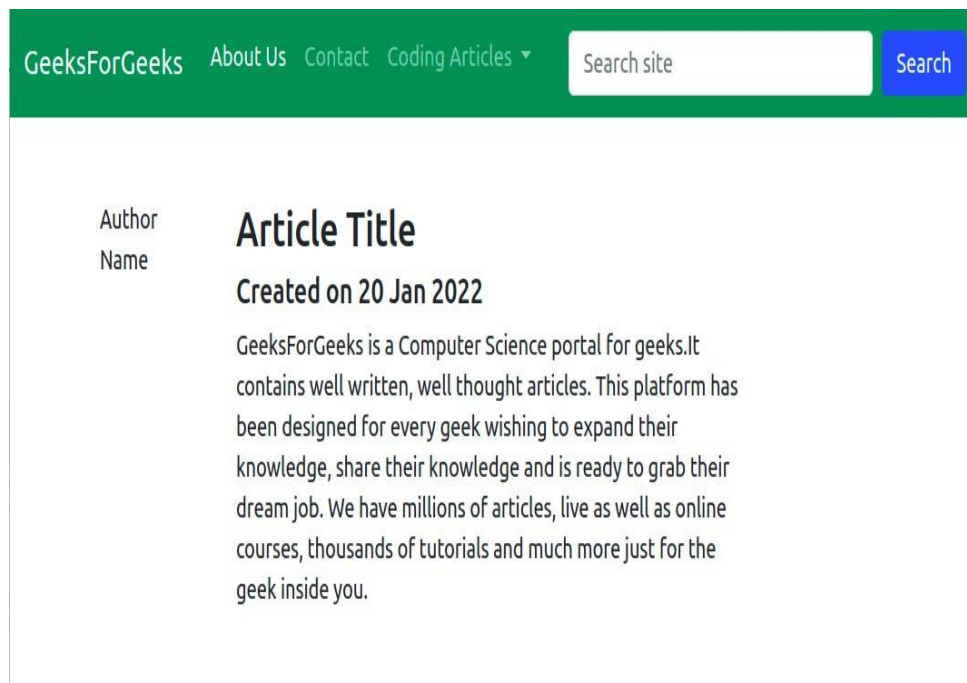
```
<!DOCTYPE html>
<html lang="en">
  <head>
    <link href=
    "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet" />
  </head>
  <body>
    <nav class="navbar navbar-expand navbar-dark bg-success">
      <div class="container-fluid">
        <a class="navbar-brand" href="."> GIMR</a>
        <ul class="navbar-nav me-auto mb-2 mb-lg-0">
          <li class="nav-item">
            <a class="nav-link active" href="#">
              About Us</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="#">
              Contact </a>
          </li>
          <li class="nav-item dropdown">
            <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
              data-bs-toggle="dropdown"> Coding Articles </a>
            <ul class="dropdown-menu">
              <li>
                <a class="dropdown-item"
                  href="#"> Page 1
                </a>
              </li>
              <li>
                <a class="dropdown-item"
                  href="#"> Page 2
                </a></li></ul></li></ul>
          <!-- SEARCH BOX -->
          <form class="d-flex">
            <input class="form-control me-2" type="search" placeholder="Search site" />
            <button class="btn btn-primary" type="submit">
              Search
            </button>
          </form>
        </div>
      </nav>
```

```

<!-- ARTICLE -->
<div class="container mt-5">
  <div class="row">
    <div class="col-sm-2">Author Name</div>
    <div class="col-sm-8">
      <h2>Article Title</h2>
      <h5>Created on 20 Jan 2022</h5>
      <p>
        GeeksForGeeks is a Computer Science portal for geeks.It contains well written, well
        thought articles. This platform has been designed for every geek wishing to expand their
        knowledge, share their knowledge and is ready to grab their dream job. We have millions of
        articles, live as well as online courses, thousands of tutorials and much more just for the
        geek inside you.
      </p>
    </div></div></div>
<script src= "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js">
</script>
</body>
</html>

```

Output:



Practical No: 7**Practical Name: Demonstrate the use of jQuery in a webpage.****Roll No:**

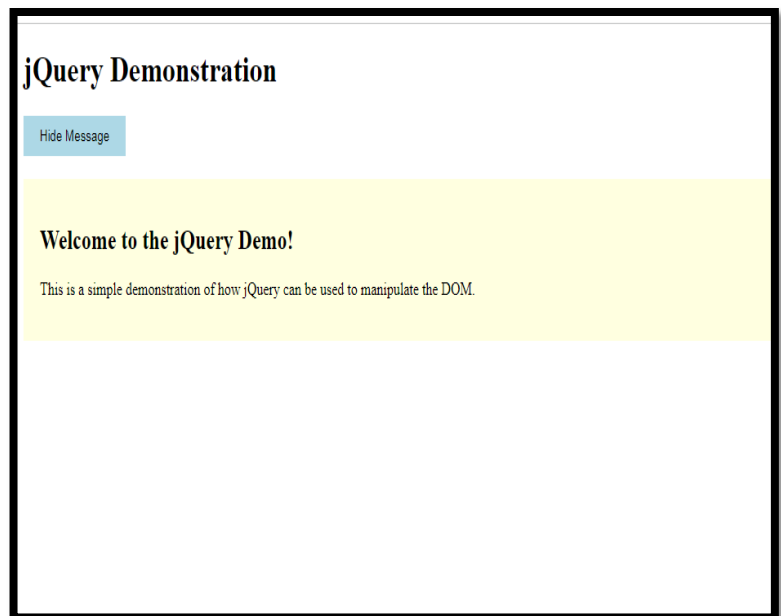
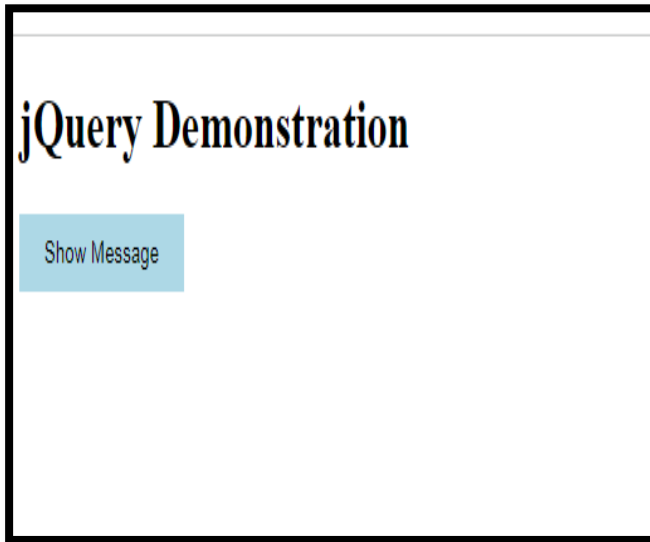
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>jQuery Demo</title>
  <!-- Include jQuery from a CDN -->
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <style>
    #message {
      background-color: lightyellow;
      padding: 20px;
      margin-top: 20px;
      display: none;
    }
    button {
      padding: 10px 20px;
      background-color: lightblue;
      border: none;
      cursor: pointer;
    }
  </style>
</head>
<body>

  <h1>jQuery Demonstration</h1>
  <button id="toggleButton">Show Message</button>

  <div id="message">
    <h2>Welcome to the jQuery Demo!</h2>
    <p>This is a simple demonstration of how jQuery can be used to manipulate the DOM.</p>
  </div>
  <script>
    $(document).ready(function() {
      // When the button is clicked, toggle the visibility of the message div
      $('#toggleButton').click(function() {
        $('#message').toggle();
        // Change button text based on message visibility
        if ($('#message').is(':visible')) {
          $('#toggleButton').text('Hide Message');
        } else {
```

```
        $('#toggleButton').text('Show Message');
    }
});
});
</script>
</body>
</html>
```

Output:



Practical No: 8

Practical Name: Design a dynamic webpage using demonstrating the web technologies (HTML, JavaScript, Bootstrap, Angular JS, JQuery).

Roll No:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Dynamic User Profile</title>
  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
  <!-- AngularJS -->
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
  <!-- jQuery -->
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <!-- Custom CSS -->
  <style>
    body {
      background-color: #f8f9fa;
    }
    .profile-card {
      margin-top: 20px;
    }
  </style>
</head>
<body ng-app="profileApp" ng-controller="profileController">
  <div class="container">
    <h1 class="text-center mt-5">Dynamic User Profile</h1>
    <!-- Input Form -->
    <form class="mt-4">
      <div class="form-group">
        <label for="name">Name:</label>
        <input type="text" id="name" class="form-control" ng-model="user.name">
      </div>
      <div class="form-group">
        <label for="email">Email:</label>
        <input type="email" id="email" class="form-control" ng-model="user.email">
      </div>
      <button type="button" class="btn btn-primary" ng-click="saveProfile()">Save
Profile</button>
    </form>
    <!-- Profile Card -->
    <div class="card profile-card mt-4" ng-show="isProfileSaved">
      <div class="card-body">
```

```

        <h5 class="card-title">{{ user.name }}</h5>
        <p class="card-text">{{ user.email }}</p>
        <button class="btn btn-danger" id="hideCard">Hide</button>
    </div>
</div>
</div>
<!-- AngularJS Controller -->
<script>
    var app = angular.module('profileApp', []);
    app.controller('profileController', function($scope) {
        $scope.user = {};
        $scope.isProfileSaved = false;
        $scope.saveProfile = function() {
            $scope.isProfileSaved = true;
        };
    });
    // jQuery Script
    $(document).ready(function () {
        $('#hideCard').click(function () {
            $('.profile-card').hide();
        });
    });
</script>
<!-- Bootstrap JS -->
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</body>
</html>

```

Output:

Dynamic User Profile

Name:

Email:

john doe
johndoe@gmail.com