

Q1)

App.js-

```
import React from "react";  
  
import HiddenMessage from "../HiddenMessage";  
  
function App() {  
  return (  
    <div className="App">  
      <HiddenMessage />  
    </div>  
  );  
}  
  
export default App;
```

HiddenMessage.js-

```
import React, { useState } from "react";  
  
function HiddenMessage() {  
  const [showMessage, setShowMessage] = useState(false);  
  const handleClick = () => {  
    setShowMessage(!showMessage);  
  };  
}
```

```
return (  
  <div>  
    <h2>Hidden Message App </h2>  
    <button onClick={handleClick}>  
      {showMessage ? "Hide Message" : "Show Message"}  
    </button>  
  
    { showMessage && (  
      <p>  
        Surprise! This is the hidden message.  
      </p>  
    )}  
  </div>  
);  
}  
  
export default HiddenMessage;
```

Q2)

App.ts-

```
import { Component } from '@angular/core';  
import { FormsModule } from '@angular/forms';  
import { CommonModule } from '@angular/common';
```

```
@Component({  
  selector: 'app-root',  
  standalone: true,  
  imports: [FormsModule, CommonModule],  
  templateUrl: './app.html'  
})
```

```
export class AppComponent {  
  student = { name: "", email: "", mobile: "" };  
  submitted = false;
```

```
  register(form: any) {  
    if (form.valid) {  
      this.submitted = true;  
      alert('Registration Successful!');  
    }  
  }  
}
```

App.html-

<h2>Student Registration</h2>

<form #f="ngForm" (ngSubmit)="register(f)">

<input placeholder="Name" name="name" [(ngModel)]="student.name"
required minlength="3">

<div *ngIf="f.submitted && f.controls['name']?.invalid">Enter a valid
name</div>

<input placeholder="Email" name="email" [(ngModel)]="student.email"
required email>

<div *ngIf="f.submitted && f.controls['email']?.invalid">Enter a valid
email</div>

<input placeholder="Mobile" name="mobile" [(ngModel)]="student.mobile"
required pattern="^[0-9]{10}\$">

<div *ngIf="f.submitted && f.controls['mobile']?.invalid">Enter 10-digit
mobile</div>

<button type="submit">Register</button>

</form>

<div *ngIf="submitted">

<h3> Registered! </h3>

<p>{{ student.name }} | {{ student.email }} | {{ student.mobile }}</p>

</div>