

**Q1)**

**App.js-**

```
import React from "react";
import HiddenMessage from "./HiddenMessage";

function App() {
  return (
    <div className="App">
      <HiddenMessage />
    </div>
  );
}

export default App;
```

**HiddenMessage.ja-**

```
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"><br>

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

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

<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}$"><br>

<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>
```