

Q1)

App.js-

```
import React, { useState } from "react";

function App() {
  const [number, setNumber] = useState(0);

  const generateRandom = () => {
    setNumber(Math.floor(Math.random() * 100)); // Random number 0–99
  };

  return (
    <div style={{ textAlign: "center", marginTop: "50px" }}>
      <h2>Random Number Generator</h2>
      <h1>{number}</h1>
      <button onClick={generateRandom}>Generate Random Number</button>
    </div>
  );
}

export default App;
```

Q2)

App.ts-

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

@Component({
  selector: 'app-root',
  standalone: true,
  imports: [CommonModule],
  templateUrl: './app.html',
  styleUrls: ['./app.css']
})
export class AppComponent {
  title = 'Student Marks Table';

  students = [
    { name: 'Amit', subject: 'Math', marks: 85 },
    { name: 'Priya', subject: 'Science', marks: 92 },
    { name: 'Rohan', subject: 'English', marks: 78 },
    { name: 'Sneha', subject: 'History', marks: 88 },
    { name: 'Karan', subject: 'Geography', marks: 90 }
  ];
}
```

App.html-

```
<h2>{{ title }}</h2>

<table border="1" cellspacing="0" cellpadding="8">
<tr>
<th>Name</th>
<th>Subject</th>
<th>Marks</th>
</tr>

<tr *ngFor="let student of students">
<td>{{ student.name }}</td>
<td>{{ student.subject }}</td>
<td>{{ student.marks }}</td>
</tr>
</table>
```