

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>
```