

Q1)

App.js-

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

function App() {
  const [color, setColor] = useState("black");

  const changeColor = () => {
    const randomColor =
      "#" + Math.floor(Math.random() * 16777215).toString(16);
    setColor(randomColor);
  };

  return (
    <div style={{ textAlign: "center", marginTop: "50px" }}>
      <h1 style={{ color: color }}>Random Color Text</h1>
      <button onClick={changeColor}>Change Color</button>
    </div>
  );
}

export default App;
```

Q2)

App.ts-

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

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

```
export class AppComponent {
  celsius: number = 0;
  fahrenheit: number = 0;
```

```
  toFahrenheit() {
    this.fahrenheit = (this.celsius * 9 / 5) + 32;
  }
```

```
  toCelsius() {
    this.celsius = (this.fahrenheit - 32) * 5 / 9;
  }
}
```

App.html-

```
<h2>Temperature Converter</h2>

<label>Celsius:</label>
<input type="number" [(ngModel)]="celsius"><br>
<button (click)="toFahrenheit()">To Fahrenheit</button>

<br><br>

<label>Fahrenheit:</label>
<input type="number" [(ngModel)]="fahrenheit"><br>
<button (click)="toCelsius()">To Celsius</button>

<p>{{celsius}} °C = {{fahrenheit}} °F</p>
```