**TASK 4 – TEMPERATURE CONVERTOR**

**Build a class component that converts temperatures between Celsius and Fahrenheit.**

**Have two input fields for Celsius and Fahrenheit.**

**When the user types in one field, update the other field based on the conversion.**

import React, { Component } from 'react';

export default class TemperatureConverter extends Component {

  constructor(props) {

    super(props);

    this.state = {

      cdegree: '',

      fdegree: '',

    }}

handleCelsiusChange = (event) => {

    const cdegree = event.target.value;

    this.setState({

      cdegree: cdegree,

      fdegree: cdegree ? (cdegree \* 9/5 + 32).toFixed(2) : '',

    })};

  handleFahrenheitChange = (event) => {

    const fdegree = event.target.value;

    this.setState({

      fdegree: fdegree,

      cdegree: fdegree ? ((fdegree - 32) \* 5/9).toFixed(2) : '',

    })};

  render() {

    return (

      <div className="container mt-5">

        <h2 className="text-center mb-4">Temperature Converter</h2>

        <div className="row">

          <div className="col-md-6 mb-3">

            <input

              type="number"

              className="form-control"

              placeholder="Celsius Degree"

              value={this.state.cdegree}

              onChange={this.handleCelsiusChange}/>

          </div>

          <div className="col-md-6 mb-3">

            <input

              type="number"

              className="form-control"

              placeholder="Fahrenheit Degree"

              value={this.state.fdegree}

              onChange={this.handleFahrenheitChange}/>

          </div>

        </div>

      </div>

    )}}

OUTPUT:

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated