Mobile computing (CST 334-2)

Lab sheet 04

Step 1:

Create a component named **TemperatureInput.tsx**
It should accept props:

- value (string)

- onChange (function to handle text change)

Step 2:

Create a component named **ConvertButton.tsx**
It should accept props:

- onPress (function to handle button press)

Step 3:

Create a component named **ResultDisplay.tsx**
It should accept props:

- result (string) to display the result or error message

Step 4:

Create a utility function named **convertCelsiusToFahrenheit** inside a file (e.g., convert.ts)
It should accept:

- celsius (number)
  It should return:

- Fahrenheit value as a number

Step 5:

Create the main component **index.tsx**

It should:

- Manage state for celsius (string) and result (string)

- Use **TemperatureInput**, **ConvertButton**, and **ResultDisplay** components

- On button press, validate input and call convertCelsiusToFahrenheit

- Update and display the result or error message accordingly