

Index.js:

```
import React from 'react';
import { createRoot } from 'react-dom/client';

import App from './App';

const rootElement = document.getElementById('root');
const root = createRoot(rootElement);

root.render(<App />);
```

App.js:

```
import React, { useState } from 'react';
import './style.css';
import FormElement from './formElement';
import Message from './message';

export default function App() {
  const [height, setHeight] = useState(0);
  const [weight, setWeight] = useState(0);
  const [bmi, setBmi] = useState();
  const [message, setMessage] = useState('');
  function displayBmi(event) {
    event.preventDefault();
    const bmi = (weight / (height * height)).toFixed(2);
    setBmi(bmi);
    let message = '';
    if (bmi < 18.5) {
      message = 'You are Underweight';
    } else if (bmi >= 18.5 && bmi < 25) {
      message = 'You are Normal weight';
    } else if (bmi >= 25 && bmi < 30) {
      message = 'You are Overweight';
    } else {
      message = 'You are Obese';
    }
    setMessage(message);
  }
  return (
    <div onSubmit={displayBmi} className="form-container">
      <form>
        <FormElement
          value={height}
          setFunction={setHeight}
          labelName="Height"
          placeholder="Enter height in meters"
        />
        <FormElement
```

```

        value={weight}
        setFunction={setWeight}
        labelName="Weight"
        placeholder="Enter weight in kgs"
      />
      <button type="submit">CALCULATE BMI</button>
    </form>
    {bmi && message && <Message bmi={bmi} message={message} />}
  </div>
);
}

```

formElement.js:

```

import './style.css';
import React from 'react';
export default function FormElement(props) {
  return (
    <>
      <label>{props.labelName}</label>
      <input
        id={props.labelName}
        placeholder={props.placeholder}
        onChange={(e) => {
          props.setFunction(e.target.value);
        }}
      />
    </>
  );
}

```

Message.js:

```

import React from 'react';
import './style.css';
export default function Message(props) {
  return (
    <div className="message">
      <p>Your bmi is: {props.bmi}</p>
      <p>Result: {props.message}</p>
    </div>
  );
}

```

Styles.css:

```

body {
  font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande',
    'Lucida Sans Unicode', Geneva, Verdana, sans-serif;
}

```

```
}
form,
.message {
  padding: 10px 10px;
  display: flex;
  flex-direction: column;
  margin-left: auto;
  margin-right: auto;
  margin-top: 10px;
  width: 40vw;
  background-color: beige;
  border-radius: 5%;
  align-items: center;
  box-shadow: 5px 5px 5px grey;
}

input {
  width: 50%;
  margin-bottom: 10px;
  border: 0;
}

label {
  margin-top: 5px;
  margin-bottom: 5px;
}

button {
  width: 50%;
  background-color: brown;
  margin-bottom: 10px;
  color: white;
  border-radius: 5%;
  border: 0;
}

button:hover {
  background-color: orangered;
}

p {
  color: red;
}
```

OUTPUT:

Height

1.6

Weight

60

CALCULATE BMI

Your bmi is: 23.44

Result: You are Normal weight