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<i>Assignment No.</i>	<i>2</i>
<i>Assignment Aim:</i>	<p><i>Assignment Aim:</i></p> <p>1. Write a ReactJS program to create Student Registration form using Components in React and display the Information of Four students using the same components.</p> <p>2. Write a ReactJS Program to create a currency calculator in React JS.</p>
<i>Section &amp; Batch:</i>	<i>A3</i>

*1. Write a ReactJS program to create Student Registration form using Components in React and display the Information of Four students using the same components.*

*Code:*

```

App.js  StudentRegistration.js  Name.js  X
src > component > Name.js > ...
1  import React from 'react'
2
3  export default function Name() {
4    let me = {
5      width : "60%",
6      border : "none",
7      borderBottom : "1px solid black",
8    }
9    return (
10     <div style={{margin : "15px"}}>
11       <label>Your name : </label>
12       <input type="text" style={me}/>
13     </div>
14   )
15 }
16

```

```
App.js StudentRegistration.js Name.js
src > component > JS Gmail.js > Gmail > margin
1  import React from 'react'
2
3  export default function Gmail() {
4    let me = {
5      width : "60%",
6      border : "none",
7      borderBottom : "1px solid black",
8    }
9    return (
10     <div style={{margin : "15px"}}>
11       <label>Enter Gmail : </label>
12       <input type='gmail' style={me}></input>
13     </div>
14   )
15 }
16
```

```
App.js StudentRegistration.js Name.js # App
src > component > JS RollNo.js > RollNo > margin
1  import React from 'react'
2
3  export default function RollNo() {
4    let me = {
5      width : "50%",
6      border : "none",
7      borderBottom : "1px solid black",
8    }
9    return (
10     <div style={{margin : "15px"}}>
11       <label>Enter Roll No : </label>
12       <input type = 'number' style={me}></input>
13     </div>
14   )
15 }
16
```

```
App.js StudentRegistration.js Name.js #
src > component > JS Password.js > Password > margin
1  import React from 'react'
2
3  export default function Password() {
4      let me = {
5          width : "50%",
6          border : "none",
7          borderBottom : "1px solid black",
8      }
9      return (
10         <div style={{margin : "15px"}}>
11             <label>Enter Password : </label>
12             <input type='password' style={me}></input>
13         </div>
14     )
15 }
16
```

```
App.js StudentRegistration.js Name.js # App.css
src > component > JS Submit.js > Submit
1  import React from 'react'
2
3  export default function Submit() {
4      let me = {
5          width : "100%",
6          border : "none",
7          borderRadius : "10px",
8          backgroundColor : "green",
9          padding : "10px",
10         textAlign : "center",
11         fontWeight : "bold",
12         fontSize : "15px",
13         color : "white"
14     }
15     return (
16         <div style={{marginTop : "15px"}}>
17             <input type='submit' style={me}></input>
18         </div>
19     )
20 }
21
```

```
o.js StudentRegistration.js X Name.js # App.css
src > component > StudentRegistration.js > StudentRegistration > me >
1  import React from 'react'
2  import Gmail from './Gmail';
3  import Name from './Name';
4  import Password from './Password';
5  import RollNo from './RollNo';
6  import Submit from './Submit';
7
8  export default function StudentRegistration(props) {
9
10     let me = {
11         position : "absolute",
12         padding : "20px",
13         boxShadow: "0 4px 8px 0 rgba(0,0,0,0.2)",
14         transition: "0.3s",
15         margin : "10% 0 0 40%",
16         borderRadius : "10px"
17     }
18     return (
19         <div style={me} >
20             <form>
21                 <h1>Registration form</h1>
22                 <Name></Name>
23                 <RollNo></RollNo>
24                 <Gmail></Gmail>
25                 <Password></Password>
26                 <Submit></Submit>
27             </form>
28         </div>
29     )
30 }
```

```

App.js X StudentRegistration.js Name.js # App.css JS Gr
src > App.js > default
1  import './App.css';
2  import StudentRegistration from './component/StudentRegistration';
3
4  function App() {
5      return (
6          <>
7          <div className="container">
8              <StudentRegistration />
9          </div>
10         </>
11     );
12 }
13
14 export default App;
15

```

```

App.js StudentRegistration.js X Name.js # App.css JS Gr
src > component > StudentRegistration.js > StudentRegistration > me > borderRa
1  import React from 'react'
2  import Gmail from './Gmail';
3  import Name from './Name';
4  import Password from './Password';
5  import RollNo from './RollNo';
6  import Submit from './Submit';
7
8  export default function StudentRegistration(props) {
9
10     let me = {
11         padding : "20px",
12         boxShadow: "0 4px 8px 0 rgba(0,0,0,0.2)",
13         transition: "0.3s",
14         margin : "10% 0 0 50%",
15         borderRadius : "10px",
16         width : "400px"
17     }
18     return (
19         <div style={me} >
20             <form>
21                 <h1>student details</h1>
22                 <Name name = {props.name}></Name>
23                 <RollNo roll = {props.roll}></RollNo>
24                 <Gmail gmail = {props.gmail}></Gmail>
25                 <Password password = {props.password}></Password>
26             </form>
27         </div>
28     )
29 }
30

```

```
App.js x StudentRegistration.js Name.js # App.css JS Gmail.js JS Password.js JS RollNo.js
src > App.js > App
1 import './App.css';
2 import StudentRegistration from './component/StudentRegistration';
3
4 function App() {
5   let me = {
6     float: "right"
7   }
8   return (
9     <>
10    <div className="container">
11      <div className="info">
12        <StudentRegistration name = "sujal" roll = {77} gmail = "sujal123@gmail.com" password = "sujal123" />
13        <StudentRegistration name = "vedant" roll = {82} gmail = "vedant123@gmail.com" password = "vedant123" />
14      </div>
15      <div className="info">
16        <StudentRegistration name = "tejas" roll = {78} gmail = "tejas123@gmail.com" password = "tejas123" />
17        <StudentRegistration name = "vansh" roll = {81} gmail = "vansh123@gmail.com" password = "vansh123" />
18      </div>
19    </div>
20  </>
21  );
22 }
23
24 export default App;
25
```

**Output :**

## Registration form

Your name : \_\_\_\_\_

Enter Roll No : \_\_\_\_\_

Enter Gmail : \_\_\_\_\_

Enter Password : \_\_\_\_\_

**Submit**

## student details

Your name : sujal

Enter Roll No : 77

Enter Gmail : sujal123@gmail.com

Enter Password : sujal123

## student details

Your name : vedant

Enter Roll No : 82

Enter Gmail : vedant123@gmail.com|

Enter Password : vedant123

## student details

Your name : tejas

Enter Roll No : 78

Enter Gmail : tejas123@gmail.com

Enter Password : tejas123

## student details

Your name : vansh

Enter Roll No : 81

Enter Gmail : vansh123@gmail.com

Enter Password : vansh123

2. Write a ReactJS Program to create a currency calculator in React JS.

Code:

```
CurrencyCalculator.js # App.css Submit.js
src > components > JS Header.js > [e] Header
1  import React from 'react'
2
3  const Header = () => {
4    let me = {
5      backgroundColor: "grey",
6      padding: "5px",
7      borderRadius: "5px",
8      color: "white",
9      textAlign: "center",
10     margin : "10px 5px 10px 5px"
11   }
12   return (
13     <div style={me}>
14       <h3>Currency Calculator</h3>
15     </div>
16   )
17 }
18
19 export default Header
20
```

```
CurrencyCalculator.js # App.css Submit.js X JS App.js
src > components > Submit.js > [e] Submit
1  import React from 'react'
2
3  const Submit = () => {
4
5     let me = {
6       |   textAlign : "center",
7     }
8
9     let you = {
10      width : "90%",
11      backgroundColor : "green",
12      color : "white",
13      border : "none",
14      borderRadius : "5px",
15      margin : "5px",
16      padding : "5px"
17    }
18
19    return (
20      <div style={me}>
21        <button type = "submit" style={you}>
22          |   Convert
23        </button>
24      </div>
25    )
26  }
27
28  export default Submit
```



```

CurrencyCalculator.js × # App.css Submit.js JS App.js JS Header.js
src > components > CurrencyCalculator.js > ...
1   import React from 'react'
2
3   const CurrencyCalculator = (props) => {
4     let me = {
5       margin : "15px"
6     }
7     return (
8       <div style={me}>
9         <div style={me}>
10          <label>Enter Amount in Dollor: {props.amount}</label>
11        </div>
12        <div style={me}>
13          <label>Entered Amount in Rupees: {props.amount * 81.96}</label>
14        </div>
15        <div style={me}>
16          <label>Entered Amount in Euro: {props.amount * 0.91}</label>
17        </div>
18        <div style={me}>
19          <label>Entered Amount in Yuan: {props.amount * 7.18}</label>
20        </div>
21      </div>
22    )
23  }
24
25  CurrencyCalculator.defaultProps = {
26    amount : 0
27  }
28  export default CurrencyCalculator
29

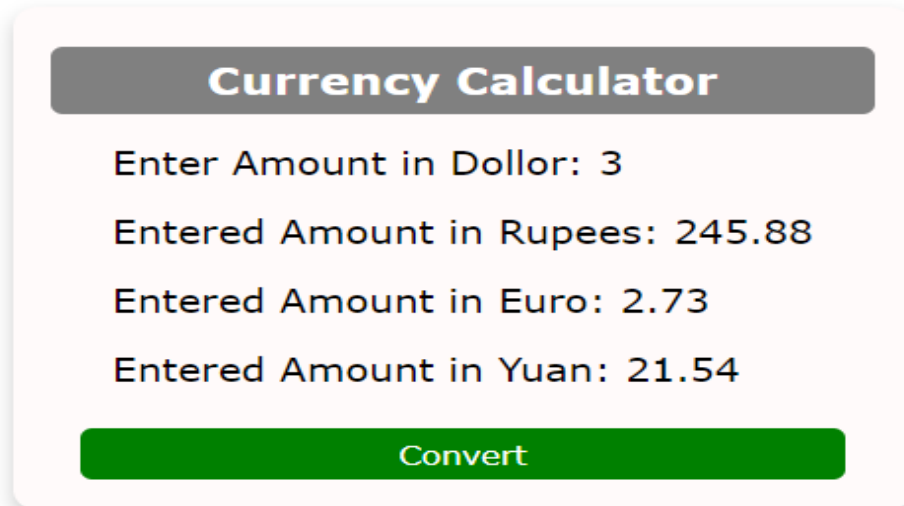
```

```

CurrencyCalculator.js # App.css Submit.js App.js × JS H
src > App.js > App
1   import './App.css';
2   import CurrencyCalculator from "../components/CurrencyCalculator";
3   import Header from "../components/Header";
4   import Submit from "../components/Submit";
5
6   function App() {
7     let variable = {
8       boxShadow: "0 4px 8px 0 rgba(0,0,0,0.2)",
9       transition: "0.3s",
10      backgroundColor: "snow",
11      color : "black"
12    }
13    return (
14      <>
15        <div className="App" style={variable}>
16          <form action="">
17            <Header />
18            <CurrencyCalculator amount = {3}/>
19            <Submit />
20          </form>
21        </div>
22      </>
23    );
24  }
25
26  export default App;
27

```

***Output :***



The screenshot shows a web application titled "Currency Calculator". It features a light pink background with a dark grey header bar containing the title. Below the header, there are four lines of text showing the conversion of 3 dollars into other currencies: 245.88 rupees, 2.73 euros, and 21.54 yuan. At the bottom, there is a green button labeled "Convert".

Input	Output
Enter Amount in Dollor: 3	Entered Amount in Rupees: 245.88
	Entered Amount in Euro: 2.73
	Entered Amount in Yuan: 21.54

Convert

***Conclusion :*** Thus the Student Registration form and currency calculator has been successfully created using react components.