

Laboratory Record
of : EAD

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AIM: implement the react app to build the Timer using useState and Use Effect

App.js

```
import logo from './logo.svg';
import './App.css';
import Timer1 from './Timer2';

function App() {
  return (
    // <div className="App">
    //   <header className="App-header">
    //     <img src={logo} className="App-logo" alt="logo" />
    //     <p>
    //       Edit <code>src/App.js</code> and save to reload.
    //     </p>
    //     <a
    //       className="App-link"
    //       href="https://reactjs.org"
    //       target="_blank"
    //       rel="noopener noreferrer"
    //     >
    //       Learn React
    //     </a>
    //   </header>
    // </div>

    <Timer1></Timer1>
  );
}
```

```
export default App;
```

Timer2.js

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

```
const Timer1=()=>{
```

```
    const[time,setTime]=useState(0);
```

```
    const[running,setRunning]=useState(false);
```

```
    useEffect(function(){
```

```
        if(!running)
```

```
            return;
```

```
        let timer=setInterval(function(){
```

```
            return setTime(function(t){
```

```
                return t+1;
```

```
            });
```

```
},1000);
```

```
    return function(){
```

```
        clearInterval(timer);
```

```
    };
```

```
},[running]);
```

```
const s=()=> {setRunning(true);}
```

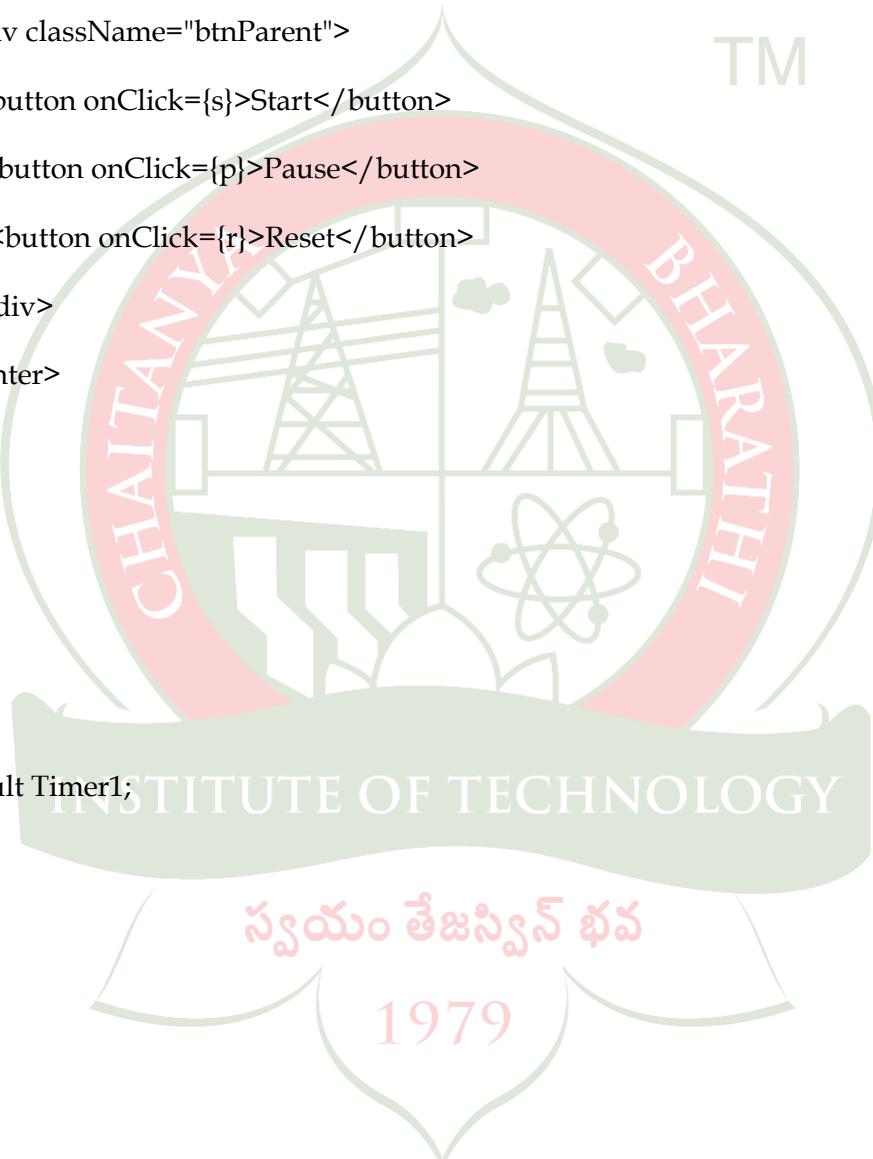
```
const p=()=>{ setRunning(false);}
```

```
const r=()=> {setRunning(false);setTimeout(0);}
```

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```
return(  
  
<div className="container">  
  
<div className="buttonClass">  
  
<center>  
  
<h2>{time} Seconds</h2>  
  
<div className="btnParent">  
  
<button onClick={s}>Start</button>  
  
<button onClick={p}>Pause</button>  
  
<button onClick={r}>Reset</button>  
  
</div>  
</center>  
</div>  
</div>  
);  
};  
  
export default Timer1;
```



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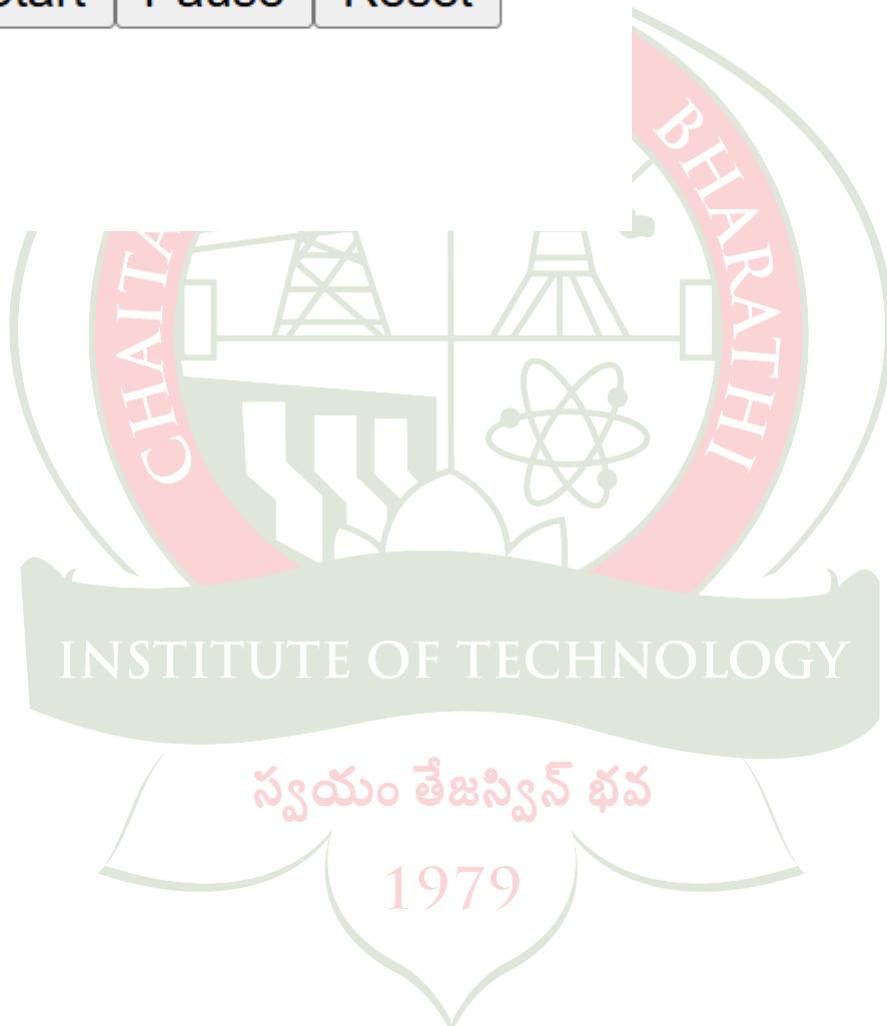
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Output

537 Seconds

Start **Pause** **Reset**

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Aim:create a react app to implement GetData

App.js

```
import logo from './logo.svg';
import './App.css';

import Timer1 from './Timer2';
import GetData from './GetData';

function App() {
  return (
    // <div className="App">
    //   <header className="App-header">
    //     <img src={logo} className="App-logo" alt="logo" />
    //     <p>
    //       Edit <code>src/App.js</code> and save to reload.
    //     </p>
    //     <a
    //       className="App-link"
    //       href="https://reactjs.org"
    //       target="_blank"
    //       rel="noopener noreferrer"
    //     >
    //       Learn React
    //     </a>
    //   </header>
    // </div>
    // <Timer1></Timer1>
    <GetData></GetData>
```

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);

}

export default App;

GetData.js

import React,{useState} from "react";

const GetData=()=>{

const[print,setPrint]=useState([]);

const URL="https://jsonplaceholder.typicode.com/comments";

const Apicalls=async(apiurl)=>{

const response=await fetch(apiurl);

console.log(response);

const data=await response.json();

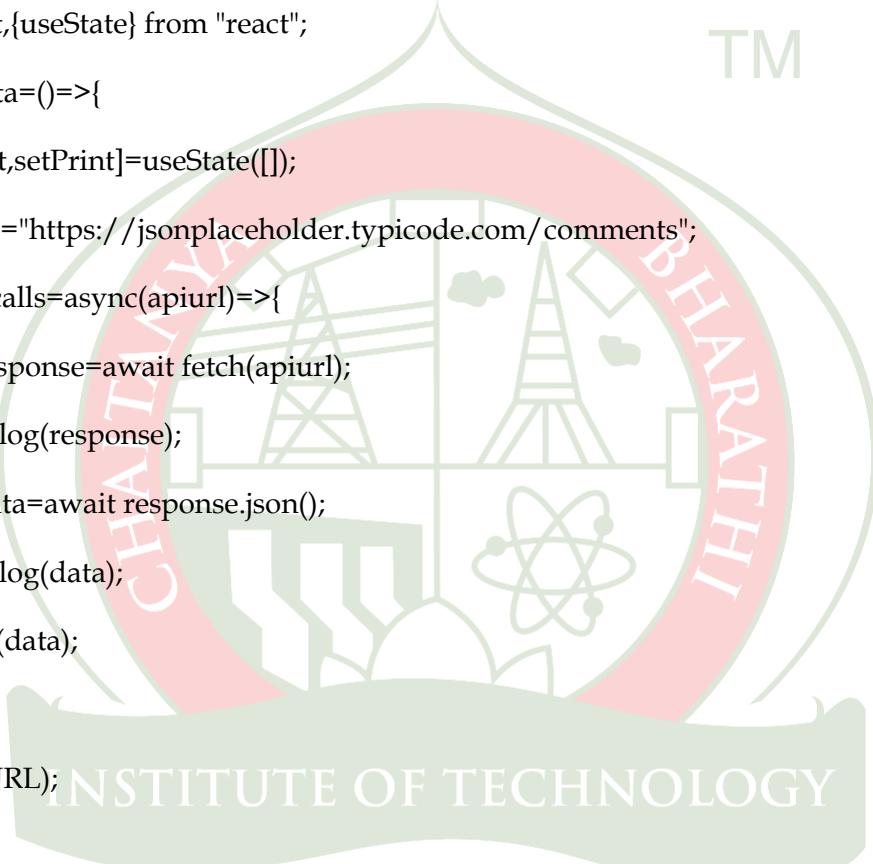
console.log(data);

setPrint(data);

}

Apicalls(URL);

```
return (  
  <div>  
    {print.map((eachitem) => (  
      <div key={eachitem.id}> /*  added key */  
        <h2>{eachitem.name}</h2>  
      </div>  
    ))}  
  </div>  
);
```



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};

export default GetData;

Output:



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**id labore ex et quam laborum
quo vero reiciendis velit similique earum
odio adipisci rerum aut animi
alias odio sit
vero eaque aliquid doloribus et culpa
et fugit eligendi deleniti quidem qui sint nihil autem
repellat consequatur praesentium vel minus molestias voluptatum
et omnis dolorem
provident id voluptas
eaque et deleniti atque tenetur ut quo ut
fugit labore quia mollitia quas deserunt nostrum sunt
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