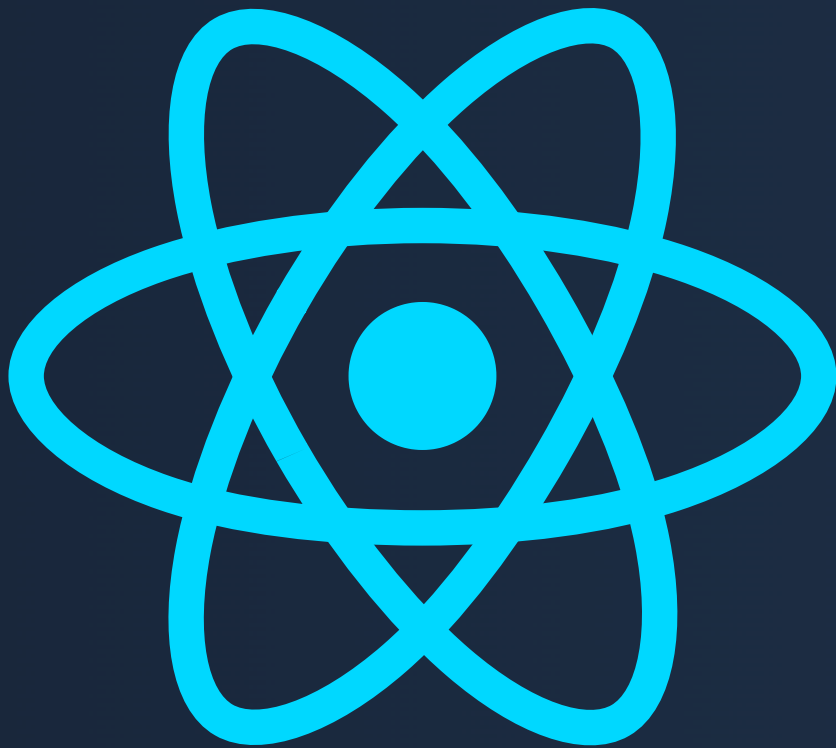


DIGITAL CLOCK

IN REACT JS



Code + Live



Med Reda Kamal

in JOIN NOW

App.js :

```
import React from 'react';

const App = () => {
  | return <div>Our Clock Will Be Here !</div>;
};

export default App;
```

**Get Ready
And Swipe ->**



App.js : **Import useState Hook**

```
import React, { useState } from 'react';
```

Clock States

```
const App = () => {  
  const [hours, setHours] = useState(0);  
  const [minutes, setMinutes] = useState(0);  
  const [seconds, setSeconds] = useState(0);  
  const [timeconvention, setTimeConvention] = useState('-');  
}
```

```
return (  
  <div style={clockStyle}>  
    {hours && minutes && seconds  
      ? `${hours}:${minutes}:${seconds} ${timeconvention}`  
      : 'Loading...'}  
  </div>  
);
```

Clock or Loading...
Sounds simple & better



App.js : **Yes... useEffect Hook too**

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

Function to update the time

```
const updateTime = () => {  
  let myDate = new Date();  
  let myHours = myDate.getHours();  
  let myMinutes = myDate.getMinutes();  
  let mySeconds = myDate.getSeconds();  
  setTimeConvention('AM');  
};
```

```
useEffect(() => setTimeout(() => updateTime(), 1000)), [seconds];
```

Tik..Tik..Tik
every second

As soon as seconds changes too



App.js :

Getting 13-24 back to the range 1-12
And 0 back to 12

```
const updateTime = () => {  
  let myDate = new Date();  
  let myHours = myDate.getHours();  
  let myMinutes = myDate.getMinutes();  
  let mySeconds = myDate.getSeconds();  
  setTimeConvention('AM');
```

```
  if (myHours == 0) {  
    setHours(12);  
  }  
  
  if (myHours > 12) {  
    setHours(hours - 12);  
    setTimeConvention('PM');  
  }  
};
```

```
  if (myHours == 0) {  
    setHours(12);  
  }  
  
  if (myHours > 12) {  
    setHours(hours - 12);  
    setTimeConvention('PM');  
  }
```



App.js :

```
const updateTime = () => {  
  let myDate = new Date();  
  let myHours = myDate.getHours();  
  let myMinutes = myDate.getMinutes();  
  let mySeconds = myDate.getSeconds();  
  setTimeConvention('AM');  
  
  if (myHours == 0) {  
    setHours(12);  
  }  
  
  if (myHours > 12) {  
    setHours(hours - 12);  
    setTimeConvention('PM');  
  }  
  
  myHours < 10 ? setHours('0' + myHours) : setHours(myHours);  
  myMinutes < 10 ? setMinutes('0' + myMinutes) : setMinutes(myMinutes);  
  mySeconds < 10 ? setSeconds('0' + mySeconds) : setSeconds(mySeconds);  
};
```

Checking and Setting

```
myHours < 10 ? setHours('0' + myHours) : setHours(myHours);  
myMinutes < 10 ? setMinutes('0' + myMinutes) : setMinutes(myMinutes);  
mySeconds < 10 ? setSeconds('0' + mySeconds) : setSeconds(mySeconds);
```



On the screen

00:54:07 AM



App.js :

Oops...
We need to style this!

```
const clockStyle = {
  overflow: 'hidden',
  maxWidth: '375px',
  padding: '5px 14px',
  margin: 'auto',
  color: '#fff',
  textShadow: '1px 1px 1px rgba(0, 0, 0, 0.33)',
  fontSize: '55px',
  textAlign: 'center',
  backgroundColor: '#007bff',
  borderRadius: '5px',
};

useEffect(() => setTimeout(() => updateTime(), 1000)), [seconds];

return (
  <div style={clockStyle}>
    {hours && minutes && seconds
      ? `${hours}:${minutes}:${seconds} ${timeconvention}`
      : 'Loading...'}
  </div>
);
```



App.js :

Final Result

00:54:07 AM



Hallelujah !

Feel free to improve this app more . . .



Available on Github



Med Reda Kamal



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