Notebook:	REACT JS		
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Setup React Js for Typescripts

1. Pastikan nodejs sudah terinstall
2. Install basic react JS
   $ npm i react react-dom react-scripts

3. Modifikasi file package.json pada bagian scripts:
Before :

```
"scripts": {
  "test":"Test script"
},
```

After :

```
"scripts": {
  "test":"react-scripts test",
  "build":"react-scripts build",
  "start":"react-scripts start",
  "eject":"react-scripts eject"
},
```

4. Install typescript for reactjs
   $ npm i @types/react @types/react-dom

5. Create basic file tsconfig.json
   $ npx tsc --init

6. Tambahkan baris berikut pada file tsconfig.json

```
{
  "compilerOptions": {
    /* Visit https://aka.ms/tsconfig to read more about this file */

    /* ... */
```

```
    "lib": ["DOM"],
    "jsx": "react-jsx",
  /* ... */

  }
}
```

7. Reaname 2 file berikut :
    src/app.js menjadi src/app.tsx
    src/index.js menjadi src/index.tsx

8. Modifikasi file src/index.tsx
Before : *src/index.js*

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import App from './app';

const rootElement = document.getElementById("root");
const root = ReactDOM.createRoot(rootElement);

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

After : src/index.tsx

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import App from './app';

const rootElement = document.getElementById("root");
const root = ReactDOM.createRoot(rootElement as HTMLElement);

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

9. Done, happy Coding...