

Laboratory Record
of : EAD

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Aim: create react app to check the password

Code:

password-strengthen.jsx

```
import React,{useState} from "react";  
export default function PasswordStrengthChecker(){  
  const[password,setPassword]=useState("");  
  const [strength,setStrength]=useState({level: " ", score: 0,color:""});  
  
  const checkStrength=(pwd)=>{  
    let score=0;  
    if(pwd.length>=8) score +=25;  
    if(/[A-Z]/.test(pwd)) score +=25;  
    if(/[0-9]/.test(pwd)) score +=25;  
    if(/^[A-Za-z0-9]/.test(pwd)) score +=25;  
  
    let level="";  
    let color="";  
  
    if(score<=25){  
      level= 'weak';  
      color='red';  
    }else if(score<=50){  
      level= 'Fair';  
      color='orange';  
    }else if(score<=75){
```

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```
level= 'Good';

color='blue';

}else {

    level= 'Strong';

    color='green';

}

setStrength({level,score,color});
};

const handleChange =(e) =>{

    const newpwd = e.target.value;

    setPassword(newpwd);

    checkStrength(newpwd);

};

return(

    <div style={{ display:'flex', justifyContent: 'center',alignItems:'center'}}>

        <h2>Password Strengthen Checker</h2>

        <input type="password" placeholder="Enter your password" value={password}

            onChange={handleChange}

            style={{width:'100%', padding: '10px', margin:'10px 0', borderRadius:'5px', border:'1'}}

        />

        {password &&(

            <p style={{textAlign:'center',color: strength.color, fontWeight:'bold'}}>

                {strength.level} Password

            </p>
```

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})

</div>

)

}

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App.jsx

import { useState } from 'react'

import reactLogo from './assets/react.svg'

import viteLogo from './vite.svg'

import './App.css'

import PasswordStrengthChecker from './password-strength.jsx';

function App() {

const [count, setCount] = useState(0)

return (

<div>

<PasswordStrengthChecker/>

</div>

)

}

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export default App

output

