Trabalho de Desenvolvimento Front-end

Código HTML:

```html
<!DOCTYPE html>
<html lang="pt-br">
<head>

    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">

    <script src="trocaCores.js" defer></script> <!-- Linkar o Arquivo .js
separado do HTML -->

    <style>
        * {
            margin: 0;
        }
        body {
            background-color: #222;
        }

        #box {
            width: 150px;
            height: 120px;
            background: #222;
            margin: 30px 0;
            border-radius: 5px;
            cursor: pointer;
            display: none;
            text-align: center;
            font-family: sans-serif;
            transition: .3s;
            align-items: center;
            color: #fff;
            border: 1px solid #fff;
        }

        #box:hover {
            animation: allColor 3s infinite ease-in-out;
            width: 170px;
```

```css
        height: 140px;
        border: 0;
    }

    .objects {
        display: flex;
        flex-direction: column;
        justify-content: center;
        align-items: center;
    }

    #btn {
        width: 180px;
        height: 40px;
        border: 0;
        background: #222;
        border: 1px solid #fff;
        color: #fff;
        border-radius: 40px;
        cursor: pointer;
    }

    .center-all {
        display: flex;
        justify-content: center;
        align-items: center;
        flex-direction: column;
        height: 40vh;
        text-align: center;
    }

    @keyframes allColor {
        0% {
            background: #1ccc57;
        }
        20% {
            background: #65749e;
        }
        40% {
            background: #b162c9;
        }
        60% {
            background: red;
        }
        80% {
            background: blue;
        }
        100% {
```

```
                background: #cdff43;
            }
        }

    </style>

    <title>Atividade - Desenvolvimento Front end</title> <!-- Titulo da
pagina -->



</head>

<body>

    <div class="app" id="app">

        <div class="center-all">

            <div class="objects">

                <div class="box_template_off" id="box">Passe o Mouse em
cima de Mim!</div>

                <button class="btn_template_on" id="btn"
onclick="desativaBox()">Clique aqui</button>

            </div>

        </div>

    </div>

</body>

</html>
```

Código Js (JavaScript):

```
function app() {

    function program() {
```

```javascript
        // Declara Variaveis

        const button = document.getElementById('btn');

        const box = document.getElementById('box');

        // Animação

        button.addEventListener("click", ()=> {
            box.style.display = "flex"
        })

        function desativaBox() {
            if(box.style.display == "flex") {
                box.style.display = "none"
            }
            else {
                return false;
            }
        }

        }

    program();

}

app();
```

Versão do JS: EcmaScript6 (ES6)