

- I Given a HTML file which is protected by password.

```
const checkPassword = () => {

    const v = document.getElementById("password").value;

    const p = Array.from(v).map(a => 0xCafe + a.charCodeAt(0));

    if (p[0] === 52037 &&

        p[6] === 52077 &&

        p[5] === 52053 &&

        p[1] === 52080 &&

        p[9] === 52034 &&

        p[10] === 52083 &&

        p[4] === 52082 &&

        p[3] === 52063 &&

        p[8] === 52073 &&

        p[12] === 52067 &&

        p[7] === 52080 &&

        p[2] === 52067 &&

        p[11] === 52066) {

        window.location.replace(v + ".html");

    } else {

        alert("Wrong password!");

    }

}

window.addEventListener("DOMContentLoaded", () => {

    document.getElementById("go").addEventListener("click", checkPassword);

})
```

```

document.getElementById("password").addEventListener("keydown", e => {

    if (e.keyCode === 13) {

        checkPassword();

    }

});

}, false);

```

- It is a JavaScript code which converts every character of the password to ASCII and adds 0xCafe to it and checks the value with the given values.
- can easily reverse this code and get the flag.
- Code to reverse:

```

p=[52037,52080,52067,52063,52082,52053,52077,52080,52073,52034,52083,52066,52067]

for i in p:

    print(chr(i-0xCafe),end='')

print()

```

- Then we will get password : "GreatWorkDude"
- After login playes will get a a flag
- Flag : flag{th3_m35sag3_i5_3ncypted}