

Easy authentication

Description: Let's start simple in this game. We have collected a piece of javascript. There is a validate function but we don't know the password... can you hack it?

Level: Level 1

Type: Coding

Link: <https://ctf.securityvalley.org/dashboard>

The only thing that we have is a javascript code:

```
const readline = require('readline').createInterface({
  input: process.stdin,
  output: process.stdout
});

readline.question('Please enter password \n', password => {
  console.log(`Gonna check if ${password} is correct`);
  readline.close();
  validate(password)
});

function validate(password) {
  const pass = [106,117,115,116,95,119,97,114,109,105,110,103,95,117,112];
  const pa = Array.from(password);

  for(let i = 0; i < pa.length; i++) {
    if(pa[i].charCodeAt(0) !== pass[i]) {
      throw new Error("pass violation. wrong credentials");
    }
  }

  banner(password);
}

function banner(payload) {
```

```
console.info("that was great !!!");
console.info("run the following command to get the flag.")
console.info(`curl -X POST http://ctf.securityvalley.org:7777/api/v1/validate -H 'Content-Type: application/json' -d
'{"pass": "${payload}"}'`)
}'''
```

We can already see that the pass is encode in `charcode`: and the decoded password is:

`just_warming_up`. Then, in the code, it tells us to run a certain command to get the flag ! But we need to replace
`"\${payload}"` with the password, which give us:

`curl -X POST http://ctf.securityvalley.org:7777/api/v1/validate -H 'Content-Type: application/json' -d '{"pass":
"just_warming_up"}'` And by entering this command, we get the flag !

![[Capture d'écran (178).png]]

The flag is: ****SecVal{J4v45Cr1P7_15_57r4444N93}** !**