

SHELL VARIABLES

Printing Variables

You need to print the flag stored in variable `FLAG` using `echo`. The value in the variable can be accessed using `$` prepended to it.

Therefore, `echo $FLAG` outputs the flag: `pwn.college{QQg7C6IoNXcCT7Y8Mb2GJP3I4iu.ddTN1QDL3YjN0czW}`

Setting Variables

`PWN` needs to be set to `COLLEGE` to get the flag

This can be done by entering `PWN=COLLEGE` to the shell

The output is: `pwn.college{UuEQGun93jqauHcTzJ3VAueMhUK.d1TN1QDL3YjN0czW}`

Multi-word Variables

Similar to the previous challenge, but `PWN` must be set to `COLLEGE YEAH` which is two words. This can be achieved using `"` around `COLLEGE YEAH`

Therefore, `PWN="COLLEGE YEAH"` which outputs the flag: `pwn.college{k8SGE6hcmZxGoHH2TZ-k1TWNeA7.dBjN1QDL3YjN0czW}`

Exporting Variables

First `PWN` is set to `COLLEGE` and exported using `export PWN=COLLEGE`

Then `COLLEGE` is set to `PWN` but not exported using `COLLEGE=PWN`

Then a child shell is invoked using `sh`

`/challenge/run` is run using arguments `PWN` and `COLLEGE`

```
1 /challenge/run PWN COLLEGE
2
```

This gives the flag: `pwn.college{M3zP69aDFkfewPWwRGroLD20G7g.dJjN1QDL3YjN0czW}`

READING INPUT

`COLLEGE` has to be read from the input by the user and put in variable `PWN`

Input is read to `PWN` by `read PWN`

Now I type `COLLEGE` and enter, this outputs the flag: `pwn.college{I8b_fpnhh1ATYygoje8P_8kwzhR.dhzN1QDL3YjN0czW}`

READING FILES

`/challenge/read_me` must be read to variable `PWN` to get the flag

This can be done by using `<` from the previous module

`read PWN < /challenge/read_me`

This gives the flag: `pwn.college{YU0Jg_e6Yk1UoaCS4gTIgAHa-jW.dBjM4QDL3YjN0czW}`

