FILE GLOBBING

Matching with *

To get the flag, `/challenge/run` must be run with current working directory as `/challenge` but the cd command must be at most four characters.

The command I used to change directory into `/challenge` is `cd /ch*` Then `./run` is executed

flag:pwn.college{sqp_rqUit4w3TY0G7Wbuh9Pm5Rm.dFjM4QDL3YjN0czW}

Matching with ?

Exactly like the previous challenge but `?` must be used for the wildcard and there is no length limit.

Therefore sequence of commands are:

```
1  cd /?ha??enge
2  ./run
```

flag- `pwn.college{I1PJhRJ0_HqZdm9uh8abWyIyznm.dJjM4QDL3YjN0czW}`

Matching with []

`cd` into `/challenge/files` with `cd /challenge/files`

`/challenge/run` needs to have one argument and we need to use a `[]` glob so that it contains `file_b`, `file_a`, `file_s` and `file_h`.

Command: `/challenge/run file_[absh]` flag:pwn.college{k86hl2SqJ75rBd8fxkLQTFX3Av1.dNjM4QDL3YjN0czW}

Matching paths with []

Same as the previous challenge but commands must be run from home directory.

```
1  /challenge/run /challenge/files/flag_[absh]
```

flag-pwn.college{8YHDXWDSyGV24cYTfH10XcBAZme.dRjM4QDL3YjN0czW}

Mixing globs

run `cd /challenge/files` to go to the required directory

On running `ls`, it is seen that there are 26 files starting with a unique alphabet starting from a to z.

So to attain the flag, which requires "challenging", "educational" and "pwning" to be the arguments of `/challenge/run` with less than or equal to 6 characters, it is sufficient to use `[]` with c, e and p and then wildcarding every other character.

```
1  /challenge/run [cep]*
```

flag- `pwn.college{c8WQHnpNYDMbBoR3D1QhIVVtOZK.dVjM4QDL3YjN0czW}`

Exclusionary globbing

`cd` into `/challenge/files` just like previous challenges

Every file that does not start with p, w and n need to be used as an argument. Therefore `[]` needs to be used with `!` right after the bracket opens and the characters pwn. Since the rest of the characters don't matter they are wildcarded with `*` .

```
1  /challenge/run [!pwn]*
```

flag- `pwn.college{cUxUd9v_FUVZx1LrCuX5a4nKYQj.dZjM4QDL3YjN0czW}`