

# DIGESTING DOCUMENTATION

## LEARNING FROM DOCUMENTATION

Running the command `/challenge/challenge` gives the flag but it works only when the argument is `--giveflag` (as mentioned in the problem description).

```
1 /challenge/challenge --giveflag
```

flag- pwn.college{QZLZSjY5TEaZsBXwgmWoCph6z\_- .dRjM5QDL3YjN0czW}

## Learning Complex Usage

The documentation states that `/challenge/challenge` when used with argument `--printfile` prints the contents of the argument of `--printfile`. Therefore to obtain the flag `/flag` must be used as its argument.

```
1 /challenge/challenge --printfile /flag
```

flag- pwn.college{oH1v8cRe8J7dFX6Z0ELtUYW5A38.dVjM5QDL3YjN0czW}

## Reading Manuals

On running `man challenge`, the description was:

```
1 DESCRIPTION
2     Output the flag when called with the right arguments.
3
4     --fortune
5         read a fortune
6
7     --version
8         output version information and exit
9
10    --fcwpyw NUM
11        print the flag if NUM is 643
12
13
```

Therefore to attain the flag, we must run:

```
1 /challenge/challenge --fcwpyw 643
```

flag - pwn.college{cQFLvPX-Z6YYFq-yUILRMgLRSKe.dRTM4QDL3YjN0czW}

## Searching Manuals

On running `man challenge` and navigating by searching for `flag` using `/flag` and using `n` to go to the next location, `--kbt dsp` This argument will give you the flag! `! =` is seen.

Therefore to attain the flag,

```
1 /challenge/challenge --kbt dsp
```

flag- pwn.college{UtdJI-8I71gezxE8aEPWaYnjphD.dVTM4QDL3YjN0czW}

## Helpful Programs

On running `/challenge/challenge --help` the output is,

```
1 usage: a challenge to make you ask for help [-h] [--fortune] [-v] [-g GIVE_THE_FLAG] [-p]
2
3 optional arguments:
4   -h, --help            show this help message and exit
5   --fortune             read your fortune
6   -v, --version         get the version number
7   -g GIVE_THE_FLAG, --give-the-flag GIVE_THE_FLAG
8                       get the flag, if given the correct value
9   -p, --print-value     print the value that will cause the -g option to give you the flag
10
```

The output of `/challenge/challenge -p` is,

```
1 The secret value is: 593
2
```

Therefore to get the flag, the command that should be run is,

```
1 /challenge/challenge -g 593
```

flag- `pwn.college{QzZE59p0RnToIf3J1J363UDPPpLt.ddjM4QDL3YjN0czW}`

```
1
```

## Help for Builtins

On running `help challenge`, the output is,

```
1 challenge: challenge [--fortune] [--version] [--secret SECRET]
2   This builtin command will read you the flag, given the right arguments!
3
4   Options:
5     --fortune    display a fortune
6     --version    display the version
7     --secret VALUE prints the flag, if VALUE is correct
8
9   You must be sure to provide the right value to --secret. That value
10  is Ea--I0n6
```

Therefore the command to get the flag is,

```
1 challenge --secret Ea--I0n6
```

flag- `pwn.college{Ea--I0n6GDUNBPBdd3l4nvbhYSs.dRTM5QDL3YjN0czW}`