

DevOps Skilling Up Program 2023

Lab 1 - Bash Shell Scripting

Shell Script to do a line count over files

Create a Bash Shell script using functions to count the number of lines in text files located in the current directory when:

- They belong to an owner OR
- When were created in a specific month

The shell script should accept the following options:

-o <owner>

To select files where the owner is <owner>

-m <month>

To select files where the creation month is <month>

When receiving invalid arguments, show help

Invalid arguments:

```
./countlines.sh
```

```
./countlines.sh -o owner -m month
```

Other arguments

```
./countlines.sh -x owner
```

Valid arguments:

```
./countlines.sh -o jose.sandoval
```

```
Looking for files where the owner is: jose.sandoval
```

```
File: countlines.sh, Lines:      55 countlines.sh
```

```
File: example1.txt, Lines:       5 example1.txt
```

```
File: example2.txt, Lines:       5 example2.txt
```

```
File: example4.txt, Lines:       5 example4.txt
```

```
./countlines.sh -m Jun
```

```
Looking for files where the month is: Jun
```

```
File: countlines.sh, Lines:      55 countlines.sh
```

```
File: example1.txt, Lines:      5 example1.txt
```

```
File: example2.txt, Lines:      5 example2.txt
```

```
File: example3.txt, Lines:      5 example3.txt
```

```
File: example4.txt, Lines:      5 example4.txt
```

Hints

- Use *getopts* command
- Use *stat* command
- You can use *awk* command to parse text

Instructions to submit your project

1. Create a public repository (we suggest using GitHub)
2. Submit your repository in this [format](#)
3. Deadline date: Jun 20, 2023 12 pm MST