Project: CLICommand Description(readme)

1. Short Description:

Objective/Scope:

The objective of this project is to provide an easy and simple to use 'Helper' interface for all commands listed. The commands this helper function will accept are *Backup, Change, Get, Start* only.
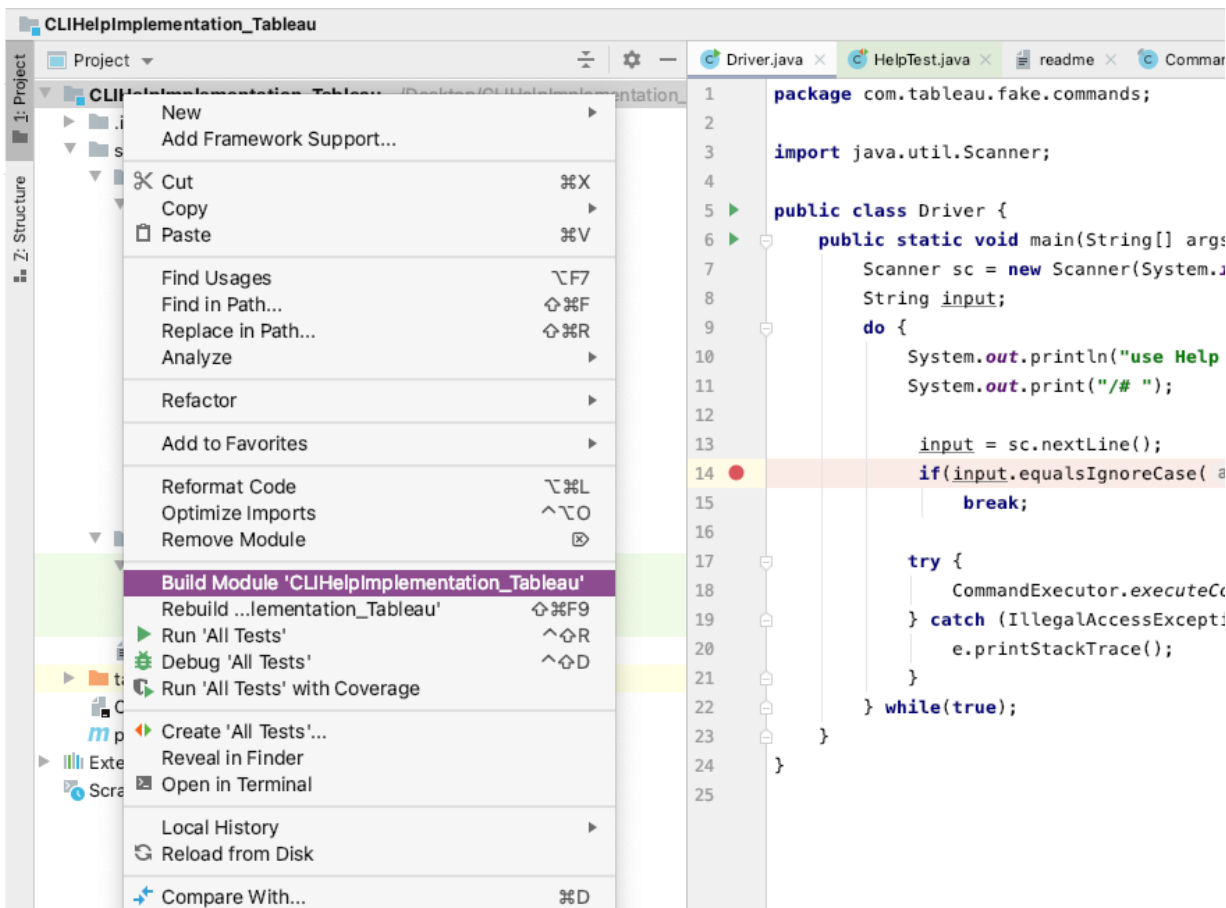
This is a maven project implemented using Java jdk 14. Driver.java is the main class from where we can pass arguments to the commands and that will, in turn, call other classes.

2. How to Run this Project:

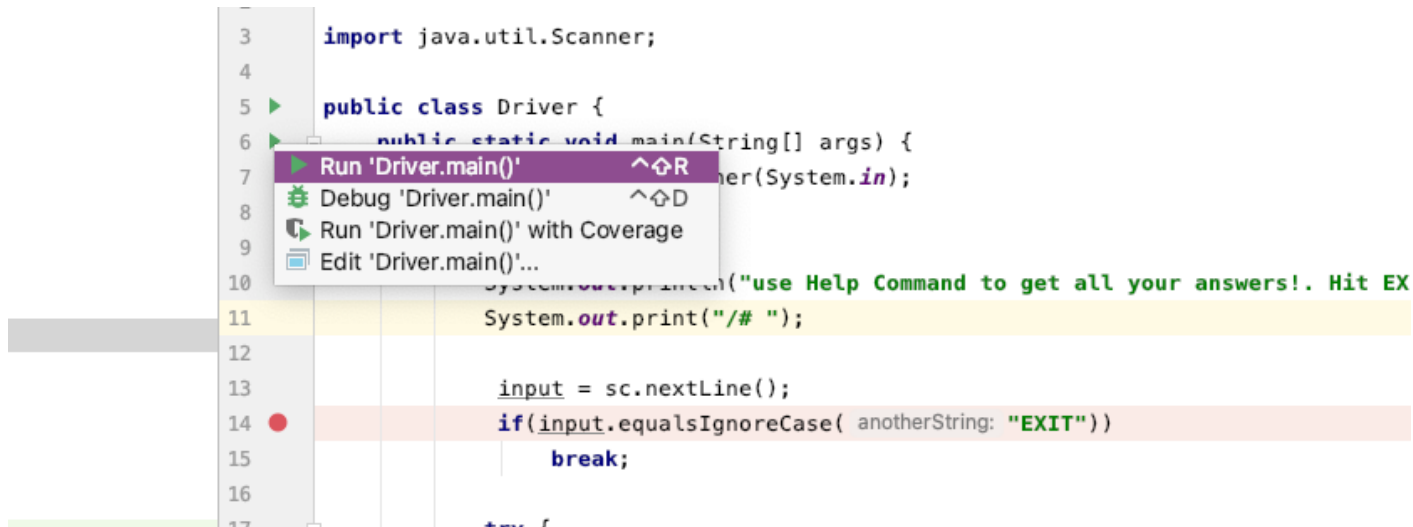### Minimum Module Dependencies:

1. JavaJDK version > 1.8
2. JUnit 4.X

1. After downloading this package, make sure you first build it . Right-click on main project folder 'CLIHelpImplementation_Tableau' and choose build module.

2. This will build all dependencies.

To Compile:

1. Right-click on Driver.Java class, and run the main class.

```
3      import java.util.Scanner;
4
5  ▶   public class Driver {
6  ▶        public static void main(String[] args) {
   ┌─────────────────────────────────────────┐
7  │ ▶ Run 'Driver.main()'          ^⇧R  │er(System.in);
   │ 🐞 Debug 'Driver.main()'        ^⇧D  │
8  │ ⨁ Run 'Driver.main()' with Coverage │
9  │ ▤ Edit 'Driver.main()'...           │
   └─────────────────────────────────────────┘
10                    System.out.println("use Help Command to get all your answers!. Hit EX
11                    System.out.print("/# ");
12
13                    input = sc.nextLine();
14 ●                  if(input.equalsIgnoreCase( anotherString: "EXIT"))
15                        break;
16
17         try {
```

3. Sample Input/Output:

Description:

1. Here, the help command has been executed with 4 different options
2. Initially, when the Driver class is executed, it will prompt the user to enter some commands. Type EXIT to stop and end the code gracefully.

use Help Command to get all your answers!. Hit EXIT to terminate
/#

Type any of the commands as follows
/# Help
/# Help change
/# Help Backup server1
/# Help Get fileName
/# Help Start

(Refer to the attached screenshot below for sample output.)

```
/Library/Java/JavaVirtualMachines/jdk-14.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CI
use Help Command to get all your answers!. Hit EXIT to terminate
/# Help
NAME: Help
DESCRIPTION: Returns help for commands in this CLI


use Help Command to get all your answers!. Hit EXIT to terminate
/# Help change
NAME: com.tableau.fake.commands.Change
DESCRIPTION: This command allows a user to change a setting on the server.
USAGE(S): --new-value <newValue> --setting-name <nameOfSetting>
OPTIONS(S): [--server, --timeout, --setting-name, --new-value]


use Help Command to get all your answers!. Hit EXIT to terminate
/# Help Backup server1
NAME: com.tableau.fake.commands.Backup
DESCRIPTION: IN DEVELOPMENT!!! This command allows a user to backup data from the server.
OPTIONS(S): [--server, --timeout, --backup-file-name]


use Help Command to get all your answers!. Hit EXIT to terminate
/# Help Get fileName
NAME: com.tableau.fake.commands.Get
DESCRIPTION: Gets the value of a setting from the server.
USAGE(S): --setting-name <nameOfSetting> [--return-default]
OPTIONS(S): [--setting-name, --return-default]


use Help Command to get all your answers!. Hit EXIT to terminate
/# Help Start
NAME: com.tableau.fake.commands.Start
DESCRIPTION: The Start command starts the server.
USAGE(S):
OPTIONS(S): [--server, --timeout]


use Help Command to get all your answers!. Hit EXIT to terminate
/# exit


Process finished with exit code 0
```

4. Testing

Help Command has been tested thoroughly to accept zero/one/many params or with invalid params E.g.

Help
```
NAME: Help
DESCRIPTION: Returns help for commands in this CLI
```

Help change filename
```
NAME: com.tableau.fake.commands.Change
DESCRIPTION: This command allows a user to change a setting on the
server.
USAGE(S): --new-value <newValue> --setting-name <nameOfSetting>
OPTIONS(S): [--server, --timeout, --setting-name, --new-value]
```

Help backup
```
NAME: com.tableau.fake.commands.Backup
DESCRIPTION: IN DEVELOPMENT!!! This command allows a user to backup data
from the server.
OPTIONS(S): [--server, --timeout, --backup-file-name]
```
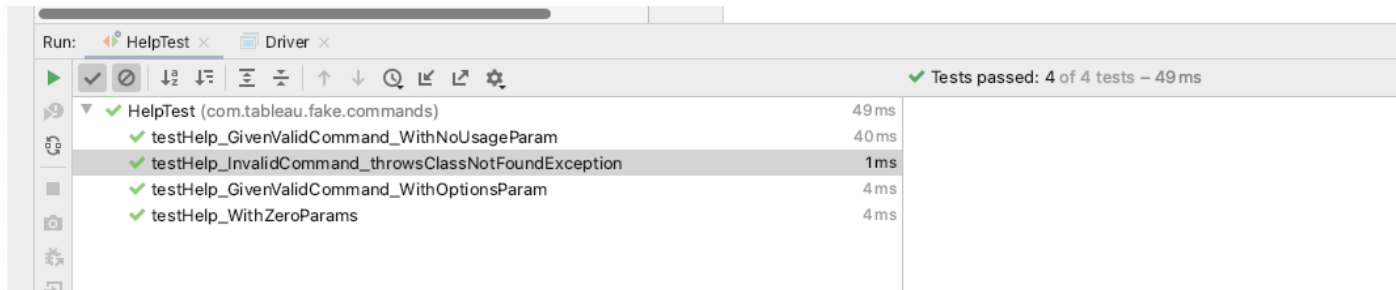
Help wrongCommand someArgs
<muts throw `ClassNotFoundException` since this is not a valid command>

Run `HelpTest.java` will address all the above test cases. Refer to the sample screenshot below

5. Conclusion

Thus this maven project has been well-tested for `Help` command to accommodate all possible inputs from the user.