

Kevin Kim
T00201473
2017/23/03

Project Part 1 Screenshot

```
~/p/C34110S/P01/stage_1_helper_files :master $ make shell
Hal: Good morning, Dave!

ush> mount
TFSEException: File system not found
ush> prrfs
TFSEException: Cannot print records. File system not mounted
ush> mkfs
ush> mount
ush> prrfs
Disk
+-----+-----+-----+
|      PCB      |      FAT      | Data Blocks |
+-----+-----+-----+
File System:
  block size = 128 bytes
  total disk blocks = 1057
PCB:
  root = 0
  size = 1
FAT:
  root = 1
  size = 32
Data Blocks:
  root = 33
  size = 1024

ush> exit

Hal: Good bye, Dave!

~/p/C34110S/P01/stage_1_helper_files :master $
```

Unit Testing

```
~/p/C34110S/P01/stage_1_helper_files :master $ make test
JUnit version 4.12
.....
Time: 0.014

OK (7 tests)
```

Note:

- TestSuite.java was developed to unit test the functionality of the TRUFS
- Linux cli with GNU make installed is preferred for running the tests
- jUnit testing framework is used for unit testing
- Command line:
 - make // compile the *.java files
 - make test // run TestSuite.java with jUnit
 - make shell // run the TFSShell