Test Results:

(Note : All the outputs below are truncated)

Testcase 1:

akshay@ubuntu:~/lastline**$ sudo docker run akshay\_solution:final -v -- ls -lah / /tmp /foo**

03/12/2019 02:32:26 AM \*prefix\* Going to run command:['ls', '-lah', '/', '/tmp', '/foo']

03/12/2019 02:32:26 AM \*prefix\* Command exit code:2

03/12/2019 02:32:26 AM \*prefix\* Produced 52 bytes of stderr:

03/12/2019 02:32:26 AM \*prefix\* ls: cannot access '/foo': No such file or directory

03/12/2019 02:32:26 AM \*prefix\* Produced 1222 bytes of stdout:

03/12/2019 02:32:26 AM \*prefix\* /:

03/12/2019 02:32:26 AM \*prefix\* total 76K

03/12/2019 02:32:26 AM \*prefix\* drwxr-xr-x 65 root root 4.0K Mar 12 02:32 .

03/12/2019 02:32:26 AM \*prefix\* drwxr-xr-x 65 root root 4.0K Mar 12 02:32 ..

03/12/2019 02:32:26 AM \*prefix\* -rwxr-xr-x 1 root root 0 Mar 12 02:32 .dockerenv

Test case 2:

akshay@ubuntu:~/lastline$ **sudo docker run akshay\_solution:final --log-format '%(asctime)s \*prefix\* %(message)s' --log-date-format '%m/%d/%Y %I:%M:%S %p' -- ls -lah /**

Test case 3:

akshay@ubuntu:~/lastline$ **sudo docker run akshay\_solution:final -v --log-format '%(asctime)s \*prefix\* %(message)s' --log-date-format '%m/%d/%Y %I:%M:%S %p' -- ls -lah /**

03/12/2019 02:35:09 AM \*prefix\* Going to run command:['ls', '-lah', '/']

03/12/2019 02:35:09 AM \*prefix\* Command exit code:0

03/12/2019 02:35:09 AM \*prefix\* Produced 0 bytes of stderr:

03/12/2019 02:35:09 AM \*prefix\* Produced 1112 bytes of stdout:

03/12/2019 02:35:09 AM \*prefix\* total 76K

03/12/2019 02:35:09 AM \*prefix\* drwxr-xr-x 65 root root 4.0K Mar 12 02:35 .

03/12/2019 02:35:09 AM \*prefix\* drwxr-xr-x 65 root root 4.0K Mar 12 02:35 ..

03/12/2019 02:35:09 AM \*prefix\* -rwxr-xr-x 1 root root 0 Mar 12 02:35 .dockerenv

Test case 4:

akshay@ubuntu:~/lastline$ **sudo docker run akshay\_solution:final --verbose --log-format '%(asctime)s \*prefix\* %(message)s' --log-date-format '%m/%d/%Y %I:%M:%S %p' -- ls -lah /**

03/12/2019 02:37:07 AM \*prefix\* Going to run command:['ls', '-lah', '/']

03/12/2019 02:37:07 AM \*prefix\* Command exit code:0

03/12/2019 02:37:07 AM \*prefix\* Produced 0 bytes of stderr:

03/12/2019 02:37:07 AM \*prefix\* Produced 1112 bytes of stdout:

03/12/2019 02:37:07 AM \*prefix\* total 76K

03/12/2019 02:37:07 AM \*prefix\* drwxr-xr-x 65 root root 4.0K Mar 12 02:37 .

03/12/2019 02:37:07 AM \*prefix\* drwxr-xr-x 65 root root 4.0K Mar 12 02:37 ..

03/12/2019 02:37:07 AM \*prefix\* -rwxr-xr-x 1 root root 0 Mar 12 02:37 .dockerenv

Test case 5:

akshay@ubuntu:~/lastline/final$ sudo docker run akshay\_solution:final --log-format '%(asctime)s \*prefix\* %(message)s' --log-date-format '%m/%d/%Y %I:%M:%S %p' -- ls -lah / -v

**No output**

Test case 6:

akshay@ubuntu:~/lastline/final$ sudo docker run akshay\_solution:final --log-format '%(asctime)s \*prefix\* %(message)s' --log-date-format '%m/%d/%Y %I:%M:%S %p' -- ls -lah / --verbose

**No output**

**To store the Formats persistently:**

To store formats persistently we can use the **external file (db.json),** so whenever the date-format and log-formats are passed from the command line we can store to the file**(db.json)** and read file when we want to print the data.

However we need to mention the volume to be used for docker to store and retrieve data this brings changes to the (Docker run)command.