

Requirements

Tested on - [Open JDK 11](#), [Ubuntu 22.04 WSL](#)

Run

Command to start the program on Ubuntu. Run it in Bash Shell only.

```
./gradlew build    //Build the project
sudo java -jar build/libs/AdvProgAssigFour-1.0-SNAPSHOT.jar    //Run the
application
```

Description

An application to get the list of files created today using shell script which is called from the java program.

Output

The files name are in the output.txt file in the project folder. It took quite some time to run the program because it had to search through the Ubuntu WSL and the Windows file space too. There are few directories of Windows system that the program didn't have permission to search through.

```
find: '/mnt/c/ProgramData/Microsoft/Crypto/PCPKSP/WindowsAIK': Permission denied
```

Command

```
#!/bin/bash
sudo find / -type f -daystart -ctime 0 -print 2>&1 | tee output.txt
#sudo find / -type f -daystart -ctime 0 -print 2>&1 //comment
```

- `#!/bin/bash` - Shebang instructs the terminal to execute the script in specified interpreter program
- `sudo` - prefix added to run the command in elevated permission (root level).
- `find` - it is unix program which can be invoked as a shell command to search for file and directories across the specified directory recursively too.
- `/` - it is root directory, the top most directory of the os
- `-type f` - type flag indicates what result should be printed out. If `f` is chosen as the argument then the `find` command will output only files it has searched.
- `-daystart` Measure times from the beginning of today rather than from 24 hours ago.

