OS-Project Phase 2

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Name	Tasks	Percentage
Anas Madkoor	Client 2.java	33.3%
Faisal Elbadri	Server.java	33.3%
Rashid Nafwa	Client1.java	33.3%

GitHub repository: https://github.com/C974/Operating-System-Project

Server.java

```
administrator@server:~/Desktop/scripts$ java Server
Server is running on port 1300
Client connected: 192.168.15.131
Pinging client 1 IP: 192.168.15.130 ...
PING 192.168.15.130 (192.168.15.130) 56(84) bytes of data.
64 bytes from 192.168.15.130: icmp_seq=1 ttl=64 time=0.413 ms
64 bytes from 192.168.15.130: icmp_seq=2 ttl=64 time=0.535 ms
64 bytes from 192.168.15.130: icmp_seq=3 ttl=64 time=0.428 ms

--- 192.168.15.130 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2073ms
rtt min/avg/max/mdev = 0.413/0.458/0.535/0.054 ms
2024-12-01 18:47:57: Connectivity with 192.168.15.130 is ok
Pinging client 2 IP: 192.168.15.131 ...
PING 192.168.15.131 (192.168.15.131) 56(84) bytes of data.
64 bytes from 192.168.15.131: icmp_seq=1 ttl=64 time=0.483 ms
64 bytes from 192.168.15.131: icmp_seq=2 ttl=64 time=0.603 ms
64 bytes from 192.168.15.131: icmp_seq=3 ttl=64 time=0.348 ms

--- 192.168.15.131 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2040ms
rtt min/avg/max/mdev = 0.348/0.478/0.603/0.104 ms
2024-12-01 18:47:59: Connectivity with 192.168.15.131 is ok
Pinging client 1 IP: 192.168.15.130 ...
PING 192.168.15.130 (192.168.15.130) 56(84) bytes of data.
64 bytes from 192.168.15.130: icmp_seq=1 ttl=64 time=0.482 ms
64 bytes from 192.168.15.130: icmp_seq=2 ttl=64 time=0.886 ms
64 bytes from 192.168.15.130: icmp_seq=3 ttl=64 time=0.870 ms
```

Client 1.java:

```
^Cadministrator@client1:~/Desktop/scripts$ java Client1
Running check.sh...
Searching for files with 777 permissions...
Permission change process completed.
Connected to server at 192.168.15.132:1300
Request sent: GET_SYSTEM_INFO
Receiving system information from the server...
```

```
/home/administrator/Videos:
total 0
Showing the disk space that is used and remaining
Filesystem     Size  Used Avail Use% Mounted on
tmpfs          243M  1.9M  242M   1% /run
/dev/sda2       20G   12G  7.3G  61% /
tmpfs          1.2G     0  1.2G   0% /dev/shm
tmpfs          5.0M  8.0K  5.0M   1% /run/lock
tmpfs          1.0M     0  1.0M   0% /run/credentials/systemd-journald.service
tmpfs          1.0M     0  1.0M   0% /run/credentials/systemd-udev-load-credentials.service
tmpfs          1.0M     0  1.0M   0% /run/credentials/systemd-tmpfiles-setup-dev-early.service
tmpfs          1.0M     0  1.0M   0% /run/credentials/systemd-tmpfiles-setup-dev.service
tmpfs          1.2G   56K  1.2G   1% /tmp
tmpfs          1.0M     0  1.0M   0% /run/credentials/systemd-sysctl.service
tmpfs          1.0M     0  1.0M   0% /run/credentials/systemd-tmpfiles-setup.service
tmpfs          1.0M     0  1.0M   0% /run/credentials/systemd-resolved.service
tmpfs          243M  140K  243M   1% /run/user/1000
--------------------------------
Used Memory: 1.81GB (76.08%)
Free Memory: 0.08GB (3.30%)
CPU Model: AMD Ryzen 9 5900HS with Radeon Graphics
Number of physical cores: 1
System information saved to: system_info_client1.txt
Waiting for 5 minutes before next request...
```

Client2.java:

```
^Cadministrator@client2:~/Desktop/scripts$ java Client2
Running search.sh...
Files larger than 1M:
/home/administrator/snap/snap-store/common/.cache/mesa_shader_cache/index
/home/administrator/snap/firefox/common/.mozilla/firefox/i01g01x5.default/places.sqlite
/home/administrator/snap/firefox/common/.mozilla/firefox/i01g01x5.default/storage/permanent/chrome/idb/3870112724rsegmnoittet-es.sqlite
/home/administrator/snap/firefox/common/.mozilla/firefox/i01g01x5.default/security_state/data.safe.bin
/home/administrator/snap/firefox/common/.mozilla/firefox/i01g01x5.default/minidumps/02fadf23-0fc3-fa33-abda-310f83fb7721.dmp
/home/administrator/snap/firefox/common/.mozilla/firefox/i01g01x5.default/favicons.sqlite
/home/administrator/snap/firefox/common/.mozilla/firefox/i01g01x5.default/gmp-gmpopenh264/2.3.2/libgmpopenh264.so
/home/administrator/snap/firefox/common/.mozilla/firefox/i01g01x5.default/places.sqlite-wal
/home/administrator/snap/firefox/common/.cache/mozilla/firefox/i01g01x5.default/startupCache/scriptCache-child.bin
/home/administrator/snap/firefox/common/.cache/mozilla/firefox/i01g01x5.default/startupCache/scriptCache.bin
/home/administrator/snap/firefox/common/.cache/mozilla/firefox/i01g01x5.default/startupCache/startupCache.8.little
/home/administrator/snap/firefox/common/.cache/mozilla/firefox/i01g01x5.default/safebrowsing/google-trackwhite-digest256.vlpset
/home/administrator/snap/firefox/common/.cache/mozilla/firefox/i01g01x5.default/safebrowsing/google4/goog-phish-proto.vlpset
/home/administrator/snap/firefox/common/.cache/mozilla/firefox/i01g01x5.default/cache2/entries/774634DC30BF4257FD68235875909B1831E2CEDB
/home/administrator/snap/firefox/common/.cache/mozilla/firefox/i01g01x5.default/cache2/entries/4DDF99D0461C50BB47DC9EC040A8AD4C9355497C
/home/administrator/snap/firefox/common/.cache/mozilla/firefox/i01g01x5.default/cache2/entries/1DB552211DB8C98433C758FB417BD178546DD5BE
/home/administrator/snap/firefox/common/.cache/mesa_shader_cache/index
```

```
Running clientinfo.sh...
Connected to server at 192.168.15.132:1300
Request sent: GET_SYSTEM_INFO
Receiving system information from the server...
```

```
/home/administrator/snap/snapd-desktop-integration/253/Public:
total 0

/home/administrator/snap/snapd-desktop-integration/253/Templates:
total 0

/home/administrator/snap/snapd-desktop-integration/253/Videos:
total 0

/home/administrator/snap/snapd-desktop-integration/common:
total 0

/home/administrator/Templates:
total 0

/home/administrator/Videos:
total 0
Showing the disk space that is used and remaining
Filesystem      Size  Used Avail Use% Mounted on
tmpfs           243M  1.9M  242M   1% /run
/dev/sda2        20G   12G  7.3G  61% /
tmpfs           1.2G     0  1.2G   0% /dev/shm
tmpfs           5.0M  8.0K  5.0M   1% /run/lock
tmpfs           1.0M     0  1.0M   0% /run/credentials/systemd-journald.service
tmpfs           1.0M     0  1.0M   0% /run/credentials/systemd-udev-load-credentials.service
tmpfs           1.0M     0  1.0M   0% /run/credentials/systemd-tmpfiles-setup-dev-early.service
tmpfs           1.0M     0  1.0M   0% /run/credentials/systemd-tmpfiles-setup-dev.service
tmpfs           1.2G   48K  1.2G   1% /tmp
tmpfs           1.0M     0  1.0M   0% /run/credentials/systemd-sysctl.service
tmpfs           1.0M     0  1.0M   0% /run/credentials/systemd-tmpfiles-setup.service
tmpfs           1.0M     0  1.0M   0% /run/credentials/systemd-resolved.service
tmpfs           243M  140K  243M   1% /run/user/1000
----------------------------------
Used Memory: 1.79GB (75.27%)
Free Memory: 0.10GB (4.32%)
CPU Model: AMD Ryzen 9 5900HS with Radeon Graphics
```