

Unix Assignment Questions

1)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ mkdir -p project/src

prata@PRAKHAR-PC MINGW64 ~ (master)
$ mkdir -p project/bin
```

2)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ echo "This is project note"> ~/project/src/notes.txt

prata@PRAKHAR-PC MINGW64 ~ (master)
$ cat ~/project/src/notes.txt
This is project note
```

3)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ touch data.txt

prata@PRAKHAR-PC MINGW64 ~ (master)
$ chmod 640 data.txt

prata@PRAKHAR-PC MINGW64 ~ (master)
$ ls -l data.txt
-rw-r--r-- 1 prata 197612 0 Jun 15 20:28 data.txt
```

4)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ chmod 777 data.txt
```

5)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ find ~ -type f -name "*.txt"
/c/Users/prata/.jdk/openjdk-24.0.1/conf/security/policy/README.txt
/c/Users/prata/.vscode/extensions/bradlc.vscode-tailwindcss-0.14.21/dist/ThirdPartyNotices.txt
/c/Users/prata/.vscode/extensions/bradlc.vscode-tailwindcss-0.14.21/LICENSE.txt
/c/Users/prata/.vscode/extensions/dbaeumer.vscode-eslint-3.0.10/License.txt
/c/Users/prata/.vscode/extensions/dbaeumer.vscode-eslint-3.0.10/ThirdPartyNotices.txt
/c/Users/prata/.vscode/extensions/digitalbrainstem.javascript-ejs-support-1.3.3/LICENSE.txt
/c/Users/prata/.vscode/extensions/docker.docker-0.10.0-win32-x64/LICENSE.txt
/c/Users/prata/.vscode/extensions/dsznajder.es7-react-js-snippets-4.4.3/LICENSE.txt
```

6)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ find /etc -type f -mtime -7
```

```
prata@PRAKHAR-PC MINGW64 ~ (master)
7) $ grep "error" /var/log/syslog
```

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ cat ~/project/src/report.txt
this is report file
```

```
this is report file
```

~~~~~

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ head log.txt
log file

prata@PRAKHAR-PC MINGW64 ~ (master)
$ tail log.txt
log file
```

10)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ echo -e "Zoya\nRahul\nAnita\nMohit\nBhavna" > names.txt

prata@PRAKHAR-PC MINGW64 ~ (master)
$ sort names.txt
Anita
Bhavna
Mohit
Rahul
Zoya
```

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ wc names.txt
  5  5 30 names.txt
```

12)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ ps
  PID   PPID   PGID   WINPID   TTY        UID    STIME  COMMAND
  131    130    131    30484    pty0       197612 20:49:44 /usr/bin/bash
  200    131    200    11996    pty0       197612 21:07:35 /usr/bin/ps
  130     1     130    36508    ?          197612 20:49:44 /usr/bin/mintty
```

13)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ date
Sun Jun 15 21:07:52 IST 2025
```

14)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ uname
MINGW64_NT-10.0-22631
```

15)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ cat /proc/uptime
1127590.37 548522.10
```

16)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ df
Filesystem            1K-blocks      Used Available Use% Mounted on
C:/Program Files/Git 498772988 237647912 261125076  48% /
```

17)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ ping www.google.com

Pinging www.google.com [2404:6800:4002:826::2004] with 32 bytes of data:
Reply from 2404:6800:4002:826::2004: time=7ms
Reply from 2404:6800:4002:826::2004: time=8ms
Reply from 2404:6800:4002:826::2004: time=14ms
Reply from 2404:6800:4002:826::2004: time=55ms

Ping statistics for 2404:6800:4002:826::2004:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 7ms, Maximum = 55ms, Average = 21ms
```

18)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ ipconfig

Windows IP Configuration

Wireless LAN adapter Wi-Fi 4:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi 5:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi 2:

    Connection-specific DNS Suffix  . : domain.name
    IPv6 Address. . . . . : 2401:4900:1c5e:34d:e917:d8ce:34c4:1d0e
```

19)

```
prata@PRAKHAR-PC MINGW64 ~ (master)
$ netstat

Active Connections

Proto Local Address           Foreign Address         State
TCP    127.0.0.1:49672          kubernetes:49673       ESTABLISHED
TCP    127.0.0.1:49673          kubernetes:49672       ESTABLISHED
TCP    127.0.0.1:49676          kubernetes:49677       ESTABLISHED
TCP    127.0.0.1:49677          kubernetes:49676       ESTABLISHED
TCP    127.0.0.1:58599          kubernetes:58600       ESTABLISHED
TCP    127.0.0.1:58600          kubernetes:58599       ESTABLISHED
TCP    127.0.0.1:58604          kubernetes:58709       ESTABLISHED
TCP    127.0.0.1:58709          kubernetes:58604       ESTABLISHED
TCP    127.0.0.1:62137          kubernetes:62138       ESTABLISHED
TCP    127.0.0.1:62138          kubernetes:62137       ESTABLISHED
TCP    127.0.0.1:62139          kubernetes:62140       ESTABLISHED
TCP    127.0.0.1:62140          kubernetes:62139       ESTABLISHED
TCP    192.168.1.7:49713        ec2-3-234-81-232:https ESTABLISHED
TCP    192.168.1.7:50307        93:https               ESTABLISHED
```