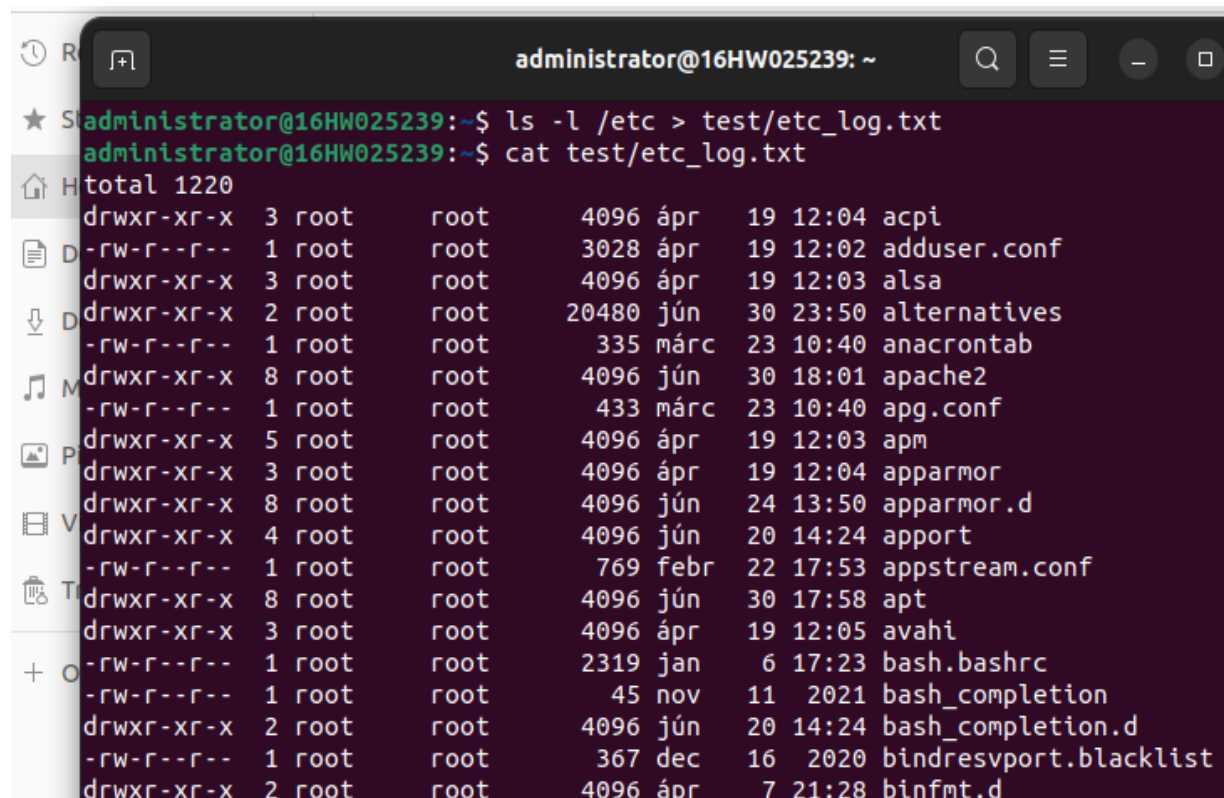```
dministrator@16HW025239:~$ mkdir test
dministrator@16HW025239:~$ cd test/
dministrator@16HW025239:~/test$ touch etc_log.txt
dministrator@16HW025239:~/test$ chmod 777 etc_log.txt
dministrator@16HW025239:~/test$ cd /etc
dministrator@16HW025239:/etc$ ls -l
otal 1220
rwxr-xr-x 3 root   root   4096 ápr   19 12:04 acpi
rw-r--r-- 1 root   root   3028 ápr   19 12:02 adduser.conf
rwxr-xr-x 3 root   root   4096 ápr   19 12:03 alsa
rwxr-xr-x 2 root   root   20480 jún   30 23:50 alternatives
rw-r--r-- 1 root   root   335 márc 23 10:40 anacrontab
rwxr-xr-x 8 root   root   4096 jún   30 18:01 apache2
rw-r--r-- 1 root   root   433 márc 23 10:40 apg.conf
rwxr-xr-x 5 root   root   4096 ápr   19 12:03 apm
rwxr-xr-x 3 root   root   4096 ápr   19 12:04 apparmor
rwxr-xr-x 8 root   root   4096 jún   24 13:50 apparmor.d
rwxr-xr-x 4 root   root   4096 jún   20 14:24 apport
rw-r--r-- 1 root   root   769 febr 22 17:53 appstream.conf
rwxr-xr-x 8 root   root   4096 jún   30 17:58 apt
rwxr-xr-x 3 root   root   4096 ápr   19 12:05 avahi
rw-r--r-- 1 root   root   2319 jan   6 17:23 bash.bashrc
rw-r--r-- 1 root   root   45 nov   11 2021 bash_completion
rwxr-xr-x 2 root   root   4096 jún   20 14:24 bash_completion.d
```

```
administrator@16HW025239: ~

administrator@16HW025239:~$ ls -l /etc > test/etc_log.txt
administrator@16HW025239:~$ cat test/etc_log.txt
total 1220
drwxr-xr-x  3 root      root      4096 ápr   19 12:04 acpi
-rw-r--r--  1 root      root      3028 ápr   19 12:02 adduser.conf
drwxr-xr-x  3 root      root      4096 ápr   19 12:03 alsa
drwxr-xr-x  2 root      root     20480 jún   30 23:50 alternatives
-rw-r--r--  1 root      root       335 márc  23 10:40 anacrontab
drwxr-xr-x  8 root      root      4096 jún   30 18:01 apache2
-rw-r--r--  1 root      root       433 márc  23 10:40 apg.conf
drwxr-xr-x  5 root      root      4096 ápr   19 12:03 apm
drwxr-xr-x  3 root      root      4096 ápr   19 12:04 apparmor
drwxr-xr-x  8 root      root      4096 jún   24 13:50 apparmor.d
drwxr-xr-x  4 root      root      4096 jún   20 14:24 apport
-rw-r--r--  1 root      root       769 febr  22 17:53 appstream.conf
drwxr-xr-x  8 root      root      4096 jún   30 17:58 apt
drwxr-xr-x  3 root      root      4096 ápr   19 12:05 avahi
-rw-r--r--  1 root      root      2319 jan    6 17:23 bash.bashrc
-rw-r--r--  1 root      root        45 nov   11  2021 bash_completion
drwxr-xr-x  2 root      root      4096 jún   20 14:24 bash_completion.d
-rw-r--r--  1 root      root       367 dec   16  2020 bindresvport.blacklist
drwxr-xr-x  2 root      root      4096 ápr    7 21:28 binfmt.d
```

Task 2


```
GNU nano 6.2
echo 'Store new data \i\n here' >> demand_data.txt && echo '$(date)' >> demands.log
```

Task 3


```
administrator@16HW025239:~$ sudo -u postgres psql
[sudo] password for administrator:
could not change directory to "/home/administrator": Permission denied
psql (14.3 (Ubuntu 14.3-0ubuntu0.22.04.1))
Type "help" for help.

postgres=# ALTER USER postgres PASSWORD 'root';
ALTER ROLE
postgres=# \q
administrator@16HW025239:~$ psql -u postgres -h localhost
/usr/lib/postgresql/14/bin/psql: invalid option -- 'u'
Try "psql --help" for more information.
administrator@16HW025239:~$ psql -U postgres -h localhost
Password for user postgres:
psql (14.3 (Ubuntu 14.3-0ubuntu0.22.04.1))
SSL connection (protocol: TLSv1.3, cipher: TLS_AES_256_GCM_SHA384, bits: 256, compression: off)
Type "help" for help.

postgres=# \l
                                  List of databases
    Name    |  Owner   | Encoding |  Collate   |   Ctype    |   Access privileges
------------+----------+----------+------------+------------+-----------------------
 postgres   | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
 template0  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres          +
            |          |          |            |            | postgres=CTc/postgres
 template1  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres          +
            |          |          |            |            | postgres=CTc/postgres
(3 rows)

postgres=#
```



```
(base) administrator@16HW025239:~$ createdb chinook
createdb: error: database creation failed: ERROR:  database "chinook" already exists
(base) administrator@16HW025239:~$ psql chinook -1 -f ~/Downloads/chinook_pg_serial_pk_proper_naming.sql &>erro
(base) administrator@16HW025239:~$ psql chinook
psql (14.3 (Ubuntu 14.3-0ubuntu0.22.04.1))
Type "help" for help.

chinook=# \d
                    List of relations
 Schema |              Name               |   Type   |     Owner
--------+---------------------------------+----------+---------------
 public | actor                           | table    | administrator
 public | actor_actor_id_seq              | sequence | administrator
 public | album                           | table    | administrator
 public | album_album_id_seq              | sequence | administrator
 public | artist                          | table    | administrator
 public | artist_artist_id_seq            | sequence | administrator
 public | category                        | table    | administrator
 public | category_category_id_seq        | sequence | administrator
 public | customer                        | table    | administrator
 public | customer_customer_id_seq        | sequence | administrator
 public | employee                        | table    | administrator
 public | employee_employee_id_seq        | sequence | administrator
 public | film                            | table    | administrator
 public | film_actor                      | table    | administrator
 public | film_category                   | table    | administrator
 public | film_film_id_seq                | sequence | administrator
 public | genre                           | table    | administrator
 public | genre_genre_id_seq              | sequence | administrator
 public | invoice                         | table    | administrator
 public | invoice_invoice_id_seq          | sequence | administrator
 public | invoice_line                    | table    | administrator
 public | invoiceline_invoiceline_id_seq  | sequence | administrator
 public | media_type                      | table    | administrator
 public | mediatype_mediatype_id_seq      | sequence | administrator
 public | playlist                        | table    | administrator
 public | playlist_playlist_id_seq        | sequence | administrator
 public | playlist_track                  | table    | administrator
 public | track                           | table    | administrator
 public | track_track_id_seq              | sequence | administrator
(29 rows)

chinook=#
```

```bash
#!/bin/bash
echo " Reading configuration file $CONFIG "

conf_file=$CONFIG

while IFS= read -r line; do
  line=${line%%#*}
  case $line in
    *=*)
       var=${line%%=*}
       case $var in
         *[!A-Z_a-z]*)
            echo "Warning: invalid variable name $var ignored" >&2
            continue;;
       esac
       if eval '[ -n "${'$var'+1}" ]'; then
         echo "Warning: variable $var already set, redefinition ignored" >&2
         continue
       fi
       line=${line#*=}
       eval $var='"$line"'
  esac
done <"$conf_file"

echo " Reading configuration file $CONFIG "

echo " Database Host =$DB_Port
    Database Name = $DB_name
    Database Username = $Uname
    Password=$pwd"
```