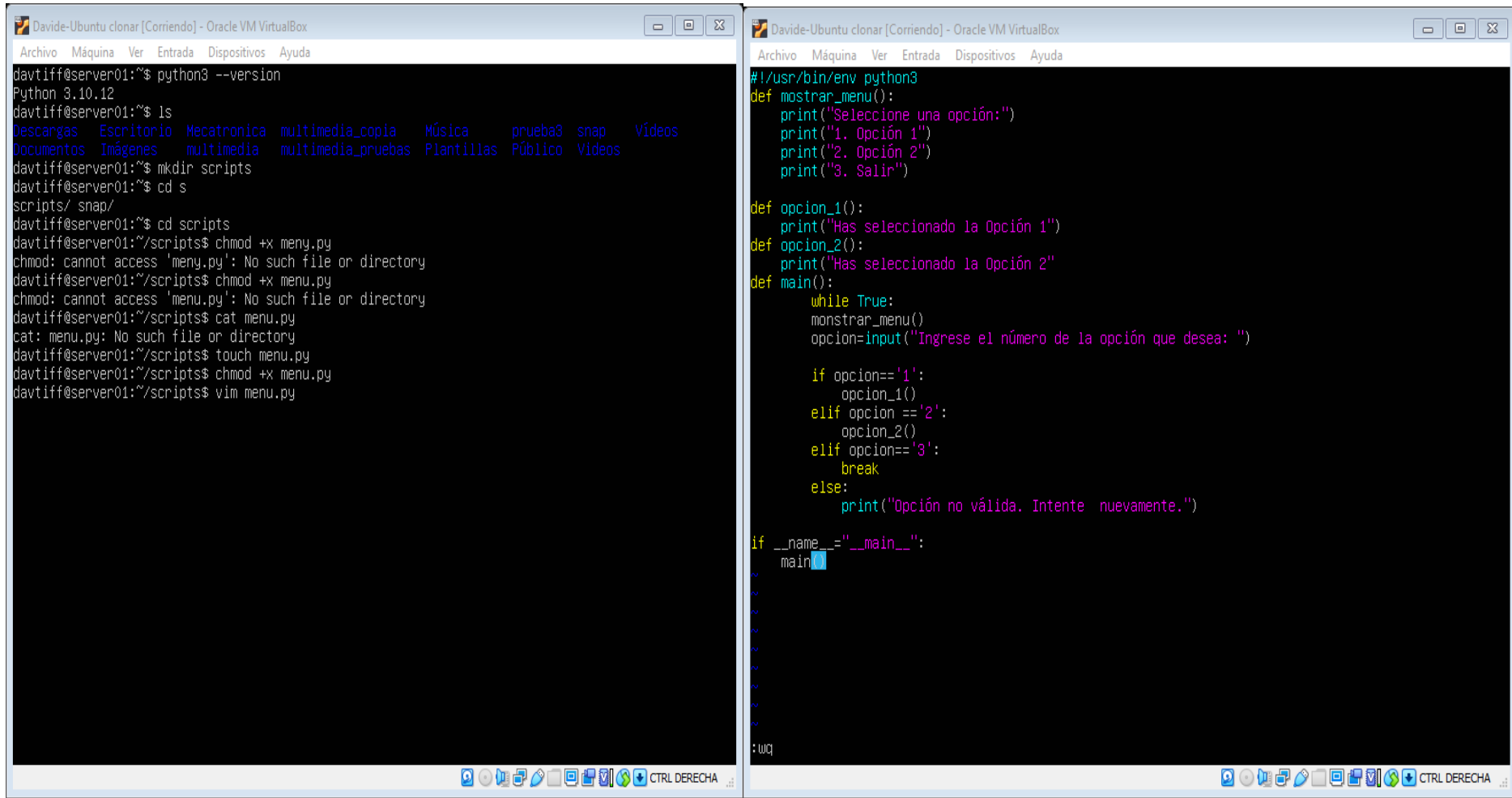


Nombre: Tiffany Andrea Jordán Uquillas

Taller: Procesos



```
davetiff@server01:~$ python3 --version
Python 3.10.12
davetiff@server01:~$ ls
Descargas  Escritorio  Mecatronica  multimedia_copia  Música  prueba3  snap  Videos
Documentos  Imágenes  multimedia  multimedia_pruebas  Plantillas  Público  Videos
davetiff@server01:~$ mkdir scripts
davetiff@server01:~$ cd s
scripts/ snap/
davetiff@server01:~$ cd scripts
davetiff@server01:~/scripts$ chmod +x meny.py
chmod: cannot access 'meny.py': No such file or directory
davetiff@server01:~/scripts$ chmod +x menu.py
chmod: cannot access 'menu.py': No such file or directory
davetiff@server01:~/scripts$ cat menu.py
cat: menu.py: No such file or directory
davetiff@server01:~/scripts$ touch menu.py
davetiff@server01:~/scripts$ chmod +x menu.py
davetiff@server01:~/scripts$ vim menu.py

# /usr/bin/env python3
def mostrar_menu():
    print("Seleccione una opción:")
    print("1. Opción 1")
    print("2. Opción 2")
    print("3. Salir")

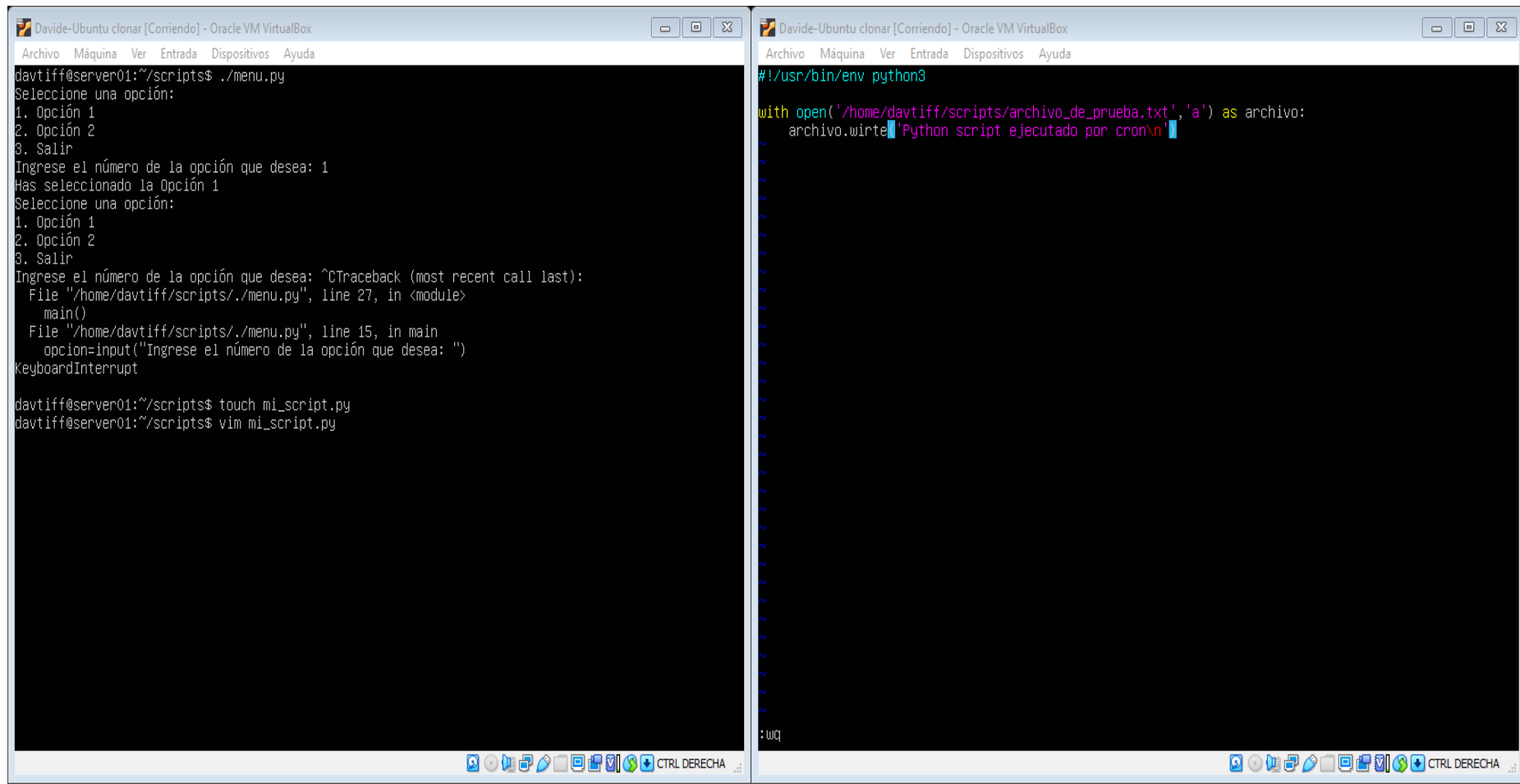
def opcion_1():
    print("Has seleccionado la Opción 1")
def opcion_2():
    print("Has seleccionado la Opción 2")
def main():
    while True:
        mostrar_menu()
        opcion=input("Ingrese el número de la opción que desea: ")

        if opcion=='1':
            opcion_1()
        elif opcion == '2':
            opcion_2()
        elif opcion=='3':
            break
        else:
            print("Opción no válida. Intente nuevamente.")

if __name__=="__main__":
    main()

:wq
```

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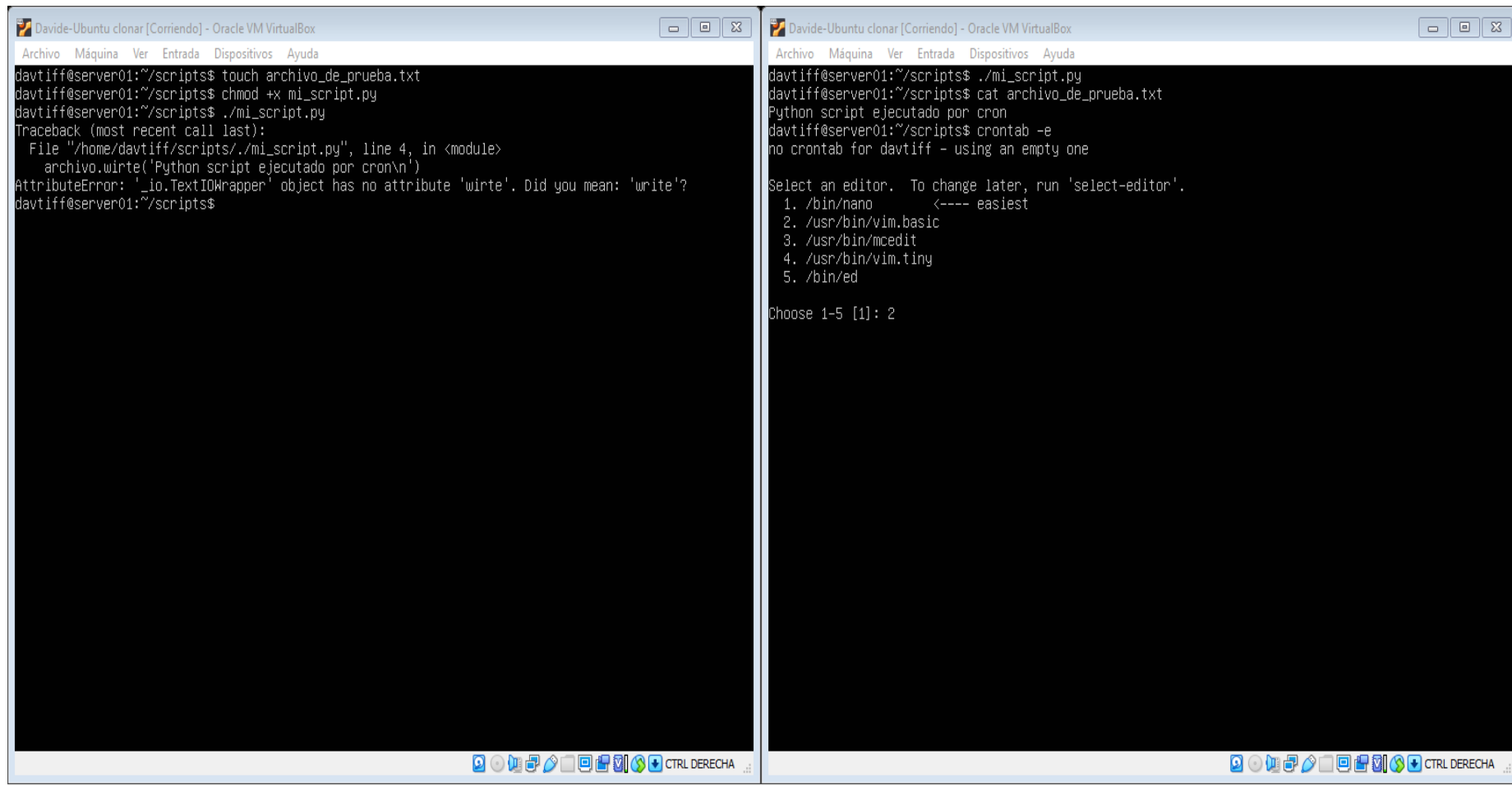


The image displays two side-by-side terminal windows from Oracle VM VirtualBox, both titled "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox".

The left terminal window shows a user named `davtiff` at `server01` in the directory `~/scripts`. The user runs `./menu.py`. The script prompts for a selection: "Seleccione una opción:" with options "1. Opción 1", "2. Opción 2", and "3. Salir". The user enters "1". The script then prompts "Ingrese el número de la opción que desea: 1" and "Has seleccionado la Opción 1". It then prompts "Seleccione una opción:" again with the same options. The user enters "1" again. The script then prompts "Ingrese el número de la opción que desea: ^C". A `KeyboardInterrupt` occurs. The user then runs `touch mi_script.py` and `vim mi_script.py`.

The right terminal window shows the same user and directory. The user runs `#!/usr/bin/env python3`. The script then opens a file `archivo_de_prueba.txt` in append mode ('a') and writes the text `Python script ejecutado por cron\n` to it. The user then presses `:wq` to save and quit the editor.

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The image displays two side-by-side terminal windows from Oracle VM VirtualBox, titled "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox".

The left terminal window shows the following commands and output:

```
davtiff@server01:~/scripts$ touch archivo_de_prueba.txt
davtiff@server01:~/scripts$ chmod +x mi_script.py
davtiff@server01:~/scripts$ ./mi_script.py
Traceback (most recent call last):
  File "/home/davtiff/scripts/./mi_script.py", line 4, in <module>
    archivo.wirte('Python script ejecutado por cron\n')
AttributeError: '_io.TextIOWrapper' object has no attribute 'wirte'. Did you mean: 'write'?
davtiff@server01:~/scripts$
```

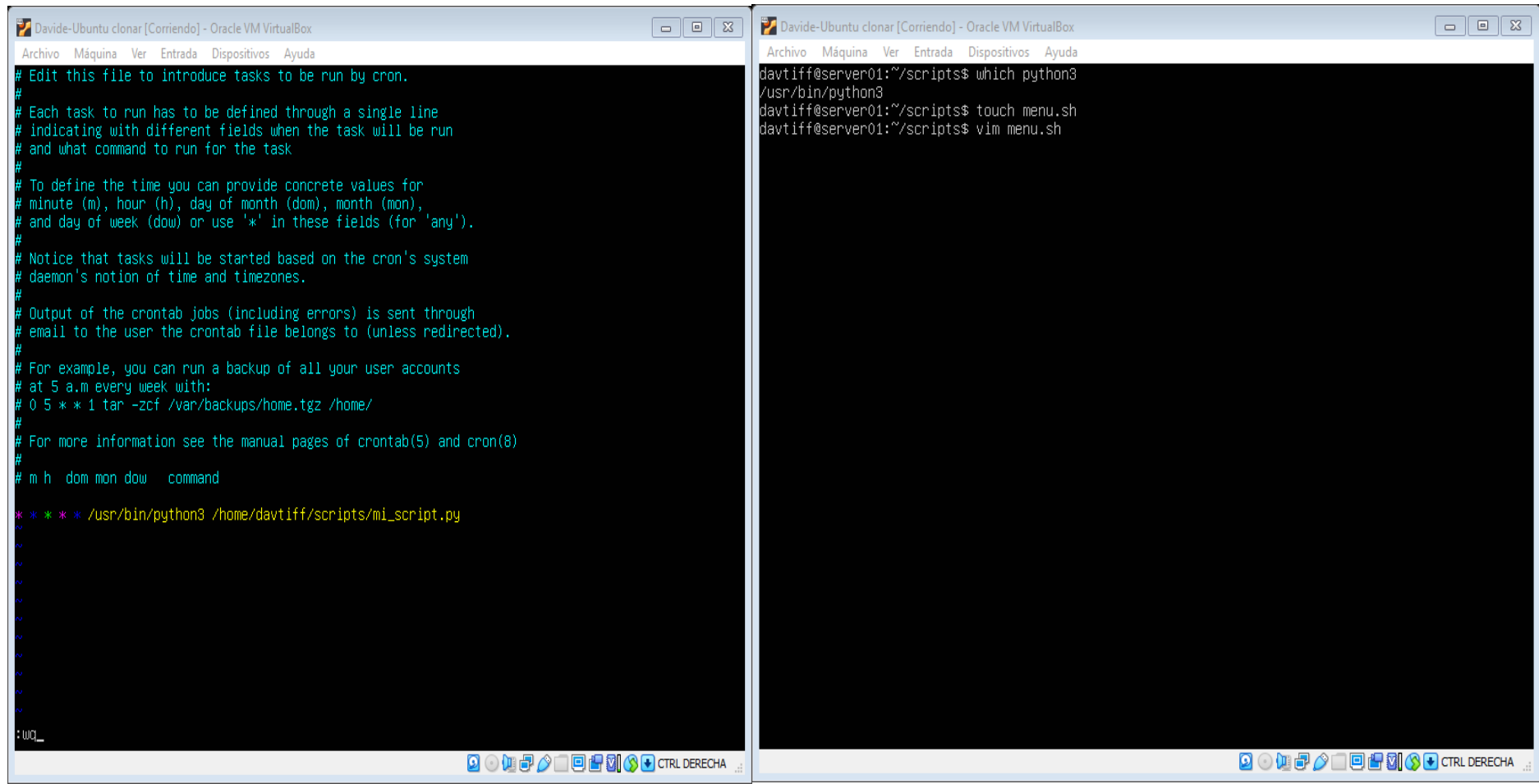
The right terminal window shows the following commands and output:

```
davtiff@server01:~/scripts$ ./mi_script.py
davtiff@server01:~/scripts$ cat archivo_de_prueba.txt
Python script ejecutado por cron
davtiff@server01:~/scripts$ crontab -e
no crontab for davtiff - using an empty one

Select an editor. To change later, run 'select-editor'.
 1. /bin/nano      <---- easiest
 2. /usr/bin/vim.basic
 3. /usr/bin/mcedit
 4. /usr/bin/vim.tiny
 5. /bin/ed

Choose 1-5 [1]: 2
```

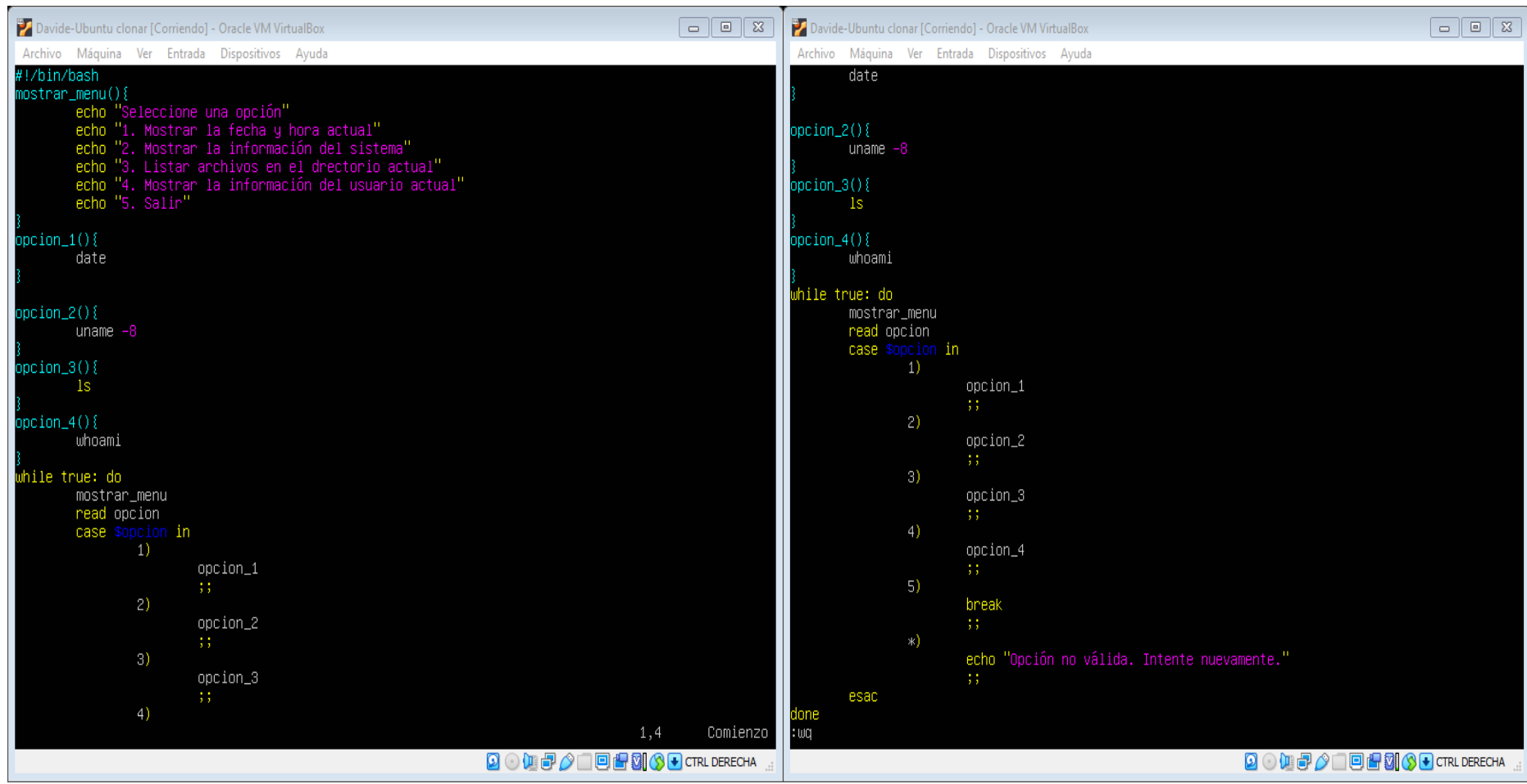
Nombre: Tiffany Andrea Jordán Uquillas



```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
# m h dom mon dow   command
* * * * * /usr/bin/python3 /home/davtiff/scripts/mi_script.py
:~$

Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
davtiff@server01:~/scripts$ which python3
/usr/bin/python3
davtiff@server01:~/scripts$ touch menu.sh
davtiff@server01:~/scripts$ vim menu.sh
```

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```
#!/bin/bash
mostrar_menu(){
    echo "Seleccione una opción"
    echo "1. Mostrar la fecha y hora actual"
    echo "2. Mostrar la información del sistema"
    echo "3. Listar archivos en el directorio actual"
    echo "4. Mostrar la información del usuario actual"
    echo "5. Salir"
}

opcion_1(){
    date
}

opcion_2(){
    uname -8
}

opcion_3(){
    ls
}

opcion_4(){
    whoami
}

while true: do
    mostrar_menu
    read opcion
    case $opcion in
        1)
            opcion_1
            ;;
        2)
            opcion_2
            ;;
        3)
            opcion_3
            ;;
        4)
            opcion_4
            ;;
    esac
done
```

```
date
}

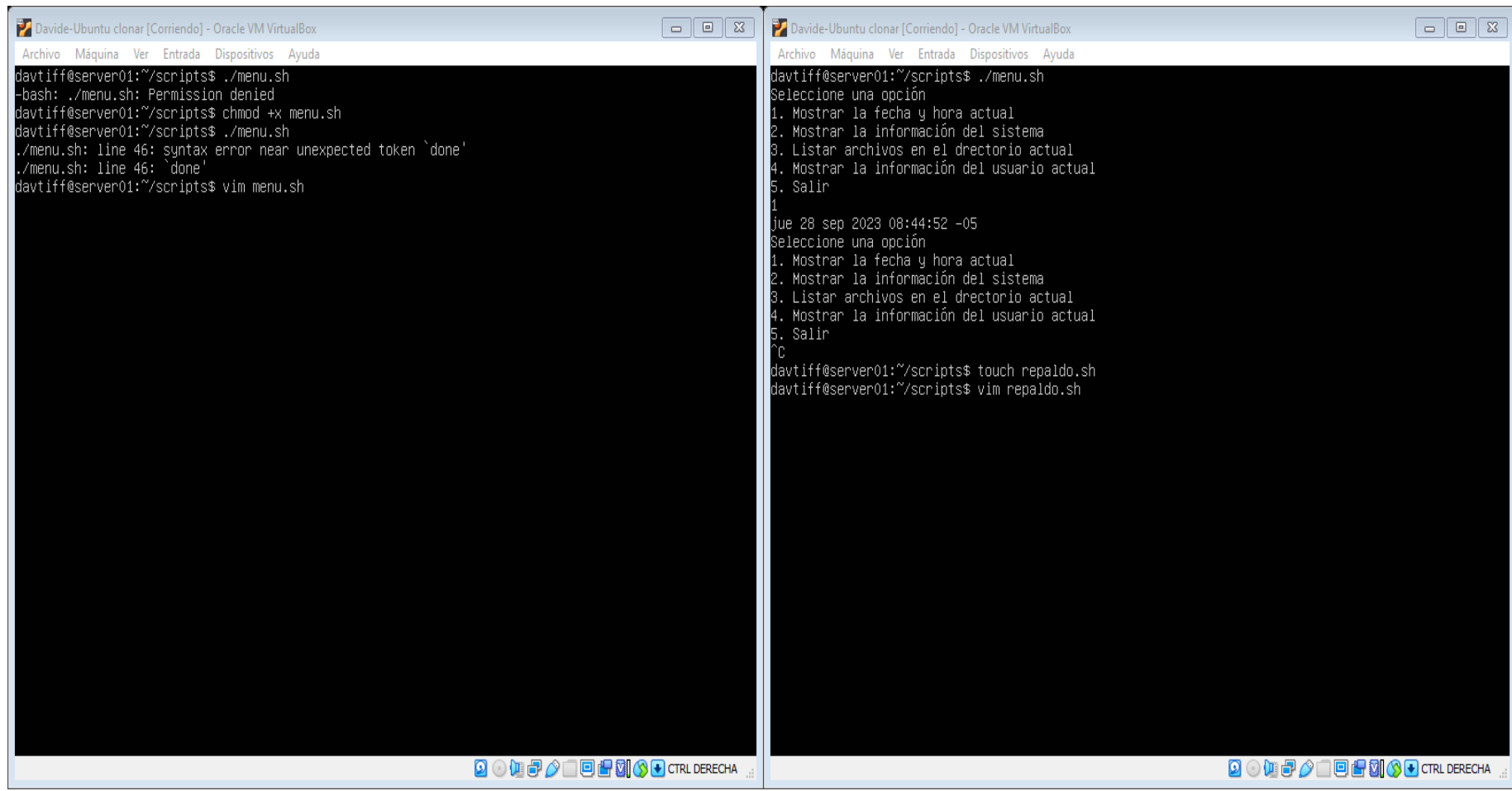
opcion_2(){
    uname -8
}

opcion_3(){
    ls
}

opcion_4(){
    whoami
}

while true: do
    mostrar_menu
    read opcion
    case $opcion in
        1)
            opcion_1
            ;;
        2)
            opcion_2
            ;;
        3)
            opcion_3
            ;;
        4)
            opcion_4
            ;;
        5)
            break
            ;;
        *)
            echo "Opción no válida. Intente nuevamente."
            ;;
    esac
done
:wq
```

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The image displays two side-by-side terminal windows from Oracle VM VirtualBox, both titled "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox".

Left Terminal Window:

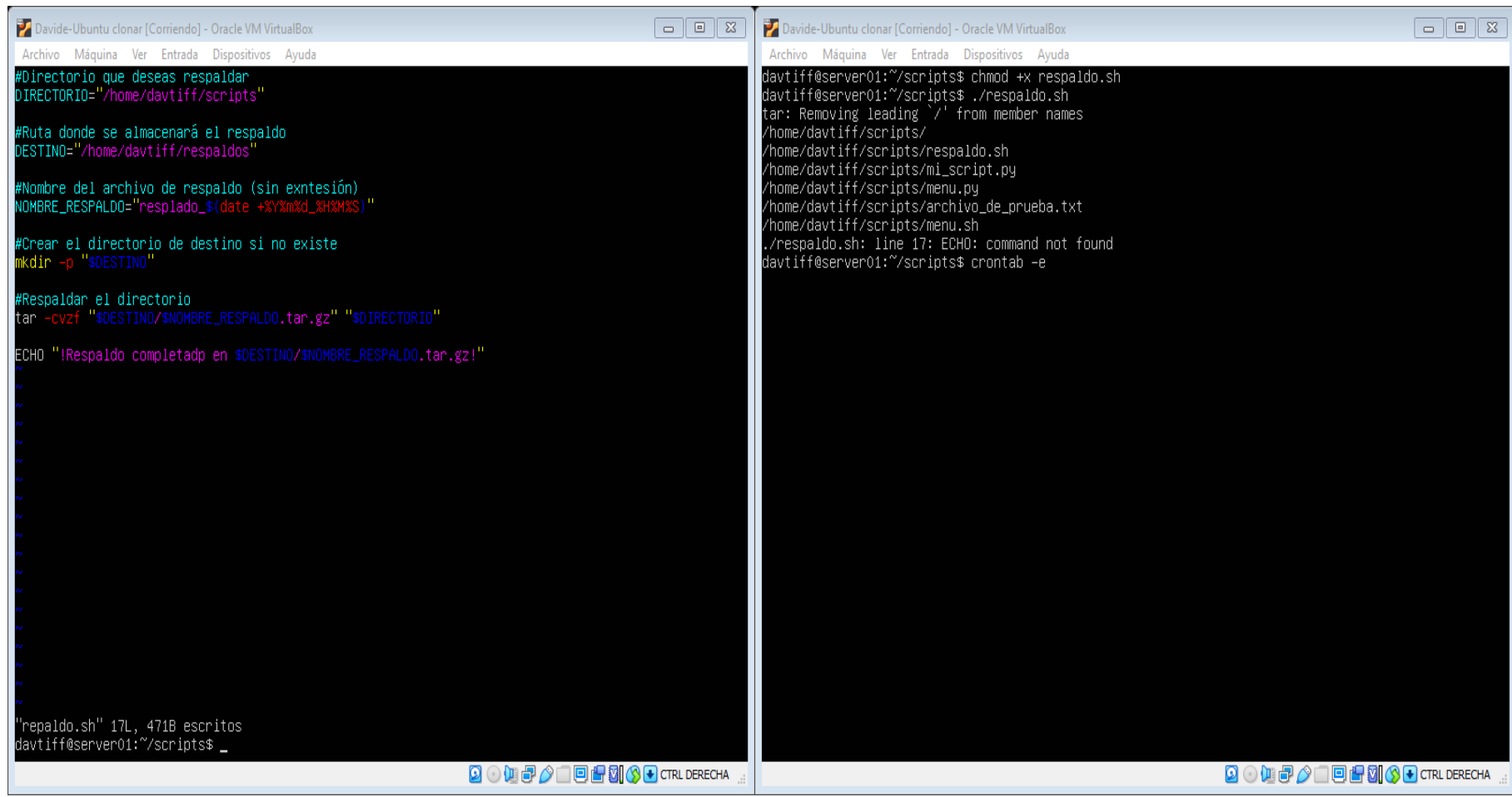
```
davtiff@server01:~/scripts$ ./menu.sh
-bash: ./menu.sh: Permission denied
davtiff@server01:~/scripts$ chmod +x menu.sh
davtiff@server01:~/scripts$ ./menu.sh
./menu.sh: line 46: syntax error near unexpected token `done'
./menu.sh: line 46: `done'
davtiff@server01:~/scripts$ vim menu.sh
```

Right Terminal Window:

```
davtiff@server01:~/scripts$ ./menu.sh
Seleccione una opción
1. Mostrar la fecha y hora actual
2. Mostrar la información del sistema
3. Listar archivos en el directorio actual
4. Mostrar la información del usuario actual
5. Salir
1
jue 28 sep 2023 08:44:52 -05
Seleccione una opción
1. Mostrar la fecha y hora actual
2. Mostrar la información del sistema
3. Listar archivos en el directorio actual
4. Mostrar la información del usuario actual
5. Salir
^C
davtiff@server01:~/scripts$ touch repaldo.sh
davtiff@server01:~/scripts$ vim repaldo.sh
```

Both windows show a menu with five options: 1. Mostrar la fecha y hora actual, 2. Mostrar la información del sistema, 3. Listar archivos en el directorio actual, 4. Mostrar la información del usuario actual, and 5. Salir. The right window shows the menu being displayed twice, with the first time showing the date and time, and the second time showing the menu again after a Ctrl-C interrupt.

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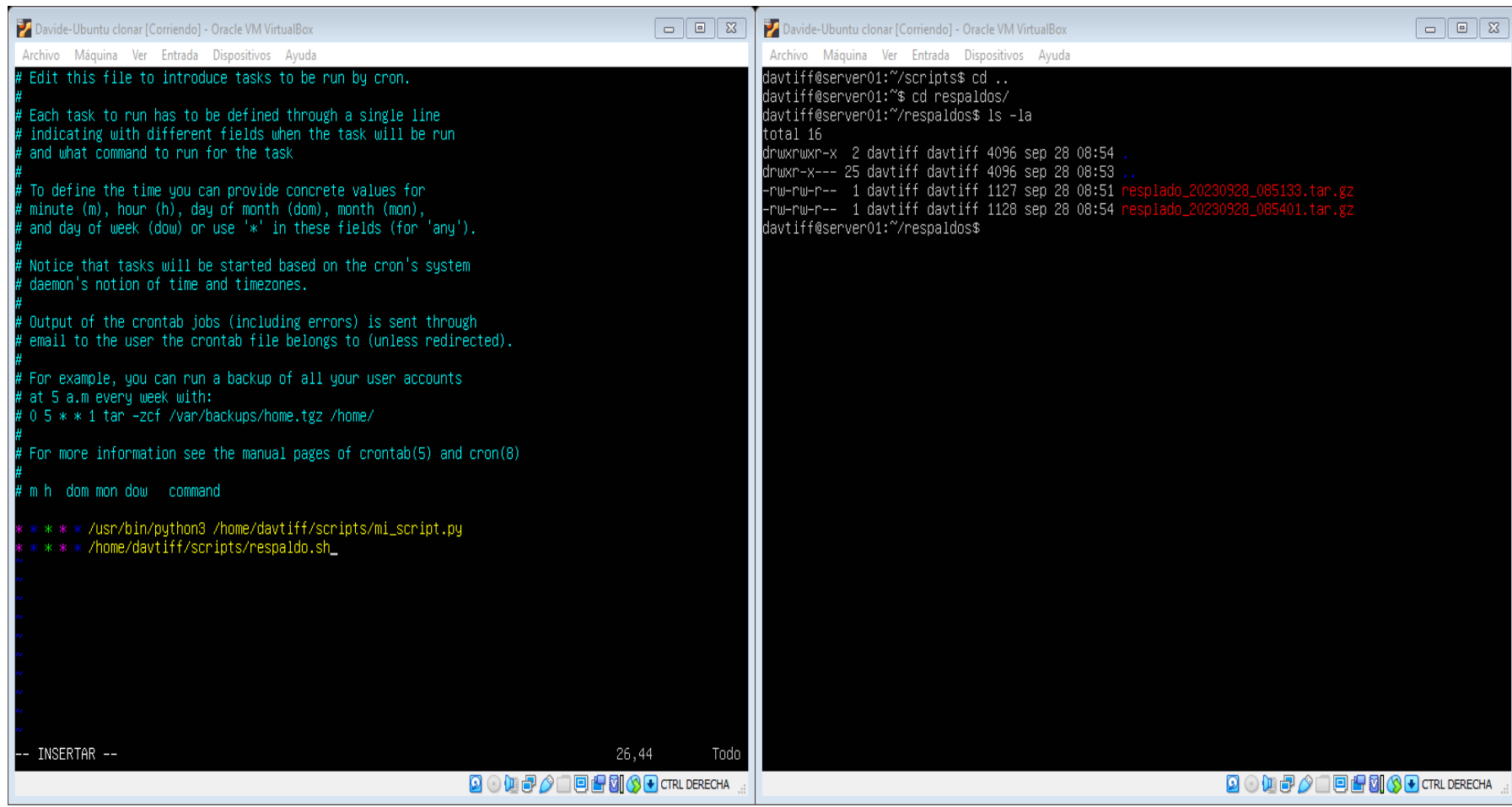


The image displays two side-by-side terminal windows from Oracle VM VirtualBox, both titled "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox".

The left terminal window shows the execution of a script named `respaldo.sh`. The script defines a directory to backup (`DIRECTORIO="/home/davtiff/scripts"`), a destination path (`DESTINO="/home/davtiff/respaldo"`), and a filename for the backup (`NOMBRE_RESPALDO="respaldo_$(date +%Y%m%d_%H%M%S)"`). It then creates the destination directory with `mkdir -p "$DESTINO"` and performs a backup using `tar -cvzf "$DESTINO/$NOMBRE_RESPALDO.tar.gz" "$DIRECTORIO"`. The script concludes with an `ECHO` statement: `ECHO "!Respaldo completadp en $DESTINO/$NOMBRE_RESPALDO.tar.gz!"`. The terminal output shows the script's progress and completion.

The right terminal window shows the execution of the script from the command line. The user runs `chmod +x respaldo.sh` and then `./respaldo.sh`. The output shows the script's execution, including the removal of leading slashes from member names and the creation of the backup file. The script then lists the files in the backup directory: `/home/davtiff/scripts/respaldo.sh`, `/home/davtiff/scripts/mi_script.py`, `/home/davtiff/scripts/menu.py`, `/home/davtiff/scripts/archivo_de_prueba.txt`, and `/home/davtiff/scripts/menu.sh`. The script then runs `./respaldo.sh: line 17: ECHO: command not found` and finally `crontab -e`.

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The image displays two terminal windows from an Oracle VM VirtualBox environment. The left window shows the editing of a cron job file, and the right window shows the execution of a backup script.

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
# m h dom mon dow   command
* * * * * /usr/bin/python3 /home/davtiff/scripts/mi_script.py
* * * * * /home/davtiff/scripts/respaldo.sh_
~
~
~
~
~
~
~
~
~
~
-- INSERTAR --
26,44  Todo
```

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
davtiff@server01:~/scripts$ cd ..
davtiff@server01:~$ cd respaldos/
davtiff@server01:~/respaldos$ ls -la
total 16
drwxrwxr-x  2 davtiff davtiff 4096 sep 28 08:54 .
drwxr-x--- 25 davtiff davtiff 4096 sep 28 08:53 ..
-rw-rw-r--  1 davtiff davtiff 1127 sep 28 08:51 respaldo_20230928_085133.tar.gz
-rw-rw-r--  1 davtiff davtiff 1128 sep 28 08:54 respaldo_20230928_085401.tar.gz
davtiff@server01:~/respaldos$
```