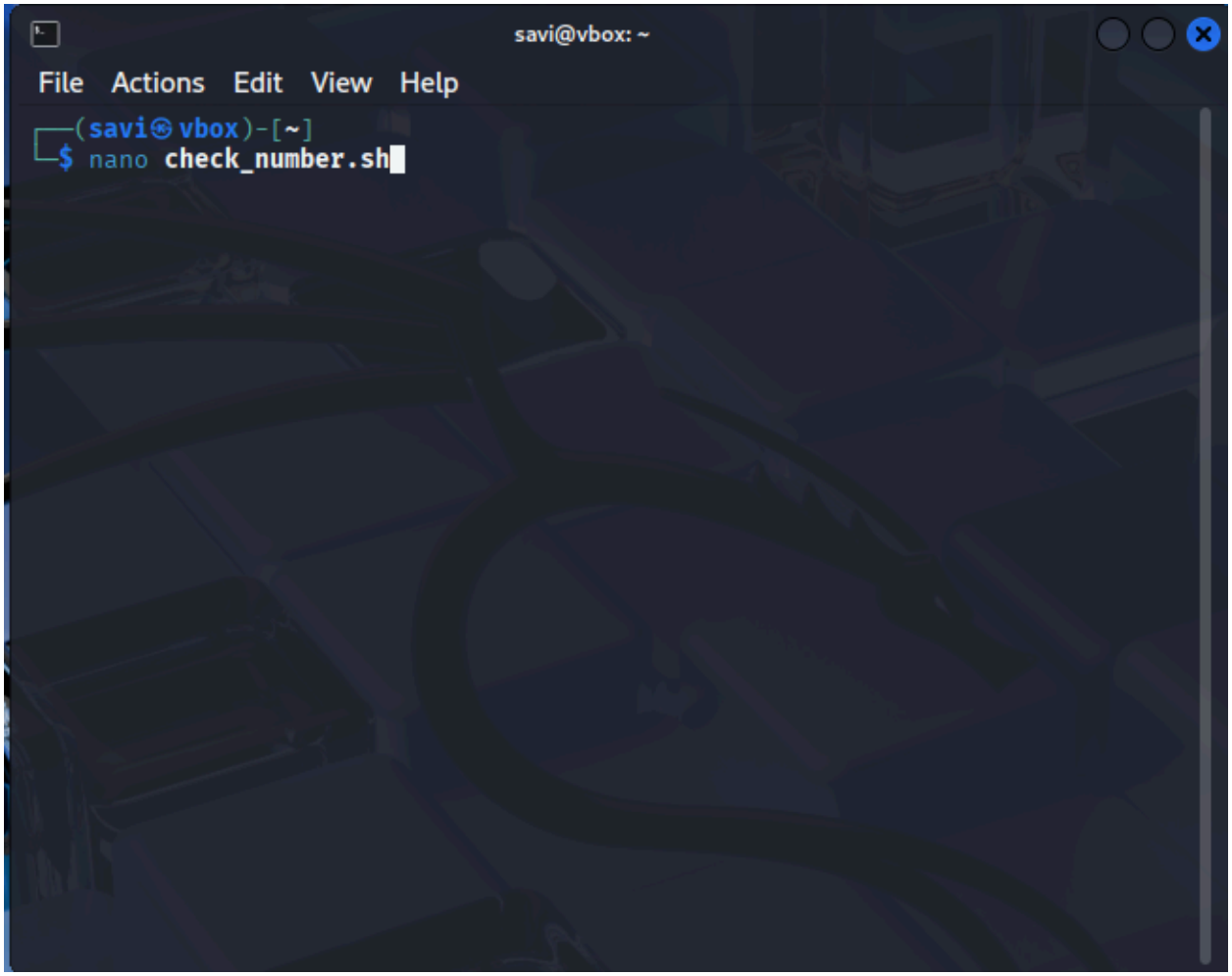
Lab 8 - Shell Scripting

Part A -

Step 1:



Step 2:

```
#!/bin/bash

# Prompt user for input
echo "Enter a Number:"
read number

# Conditional check
if [ "$number" -gt 10 ]; then
        echo "input number is greater than 10"
else
        echo "Input number is not greater than 10"
fi
```

(then save and close the bash bin)

Step 3:

```
┌──(savi㉿vbox)-[~]
└─$ ls check_number.sh
check_number.sh

┌──(savi㉿vbox)-[~]
└─$ chmod +x check_number.sh

┌──(savi㉿vbox)-[~]
└─$ chmod +x check_number.sh
```

Step 4:

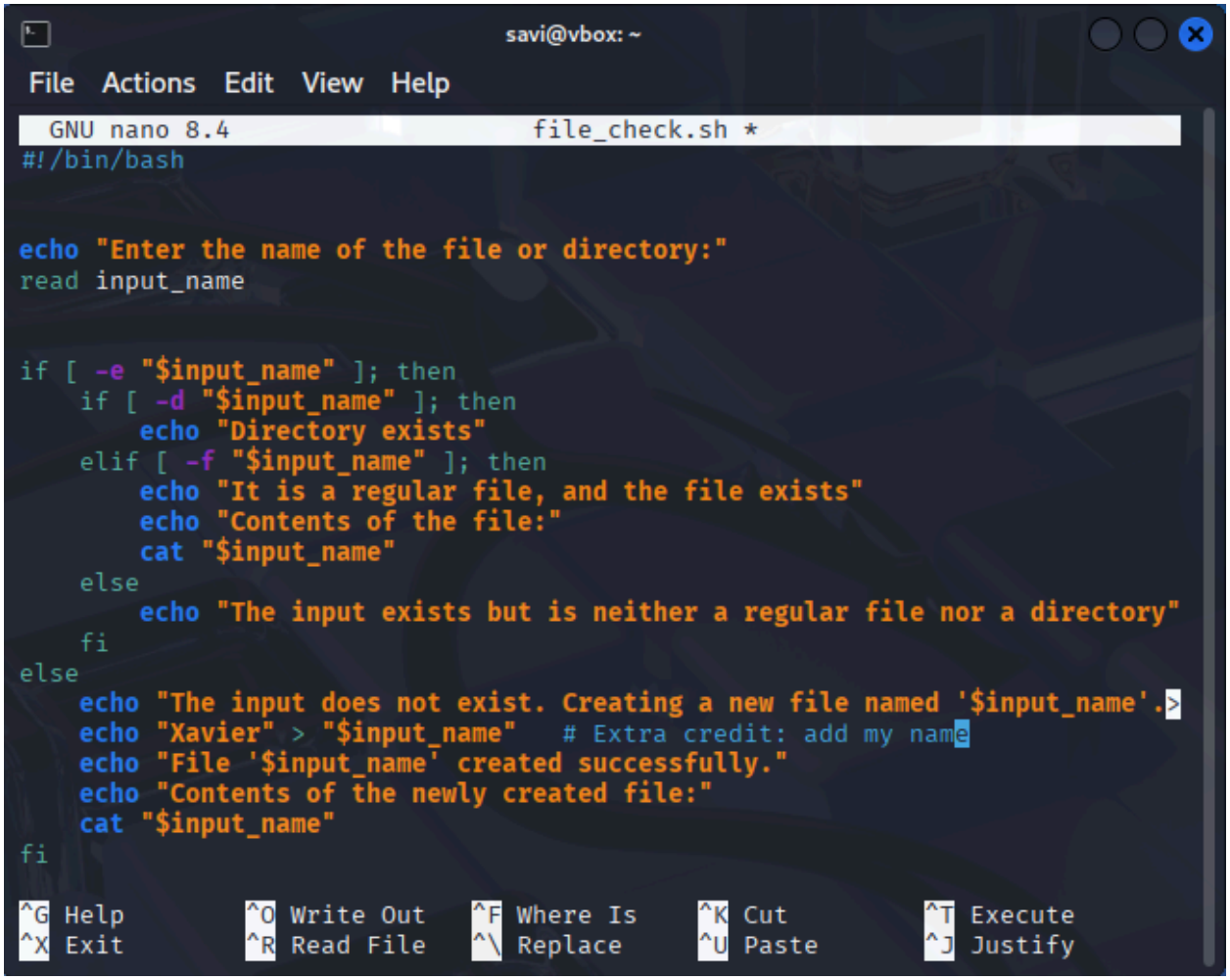
```
┌──(savi㉿vbox)-[~]
└─$ ./check_number.sh
Enter a Number:
6
Input number is not greater than 10
```

Part B -

Step 1:

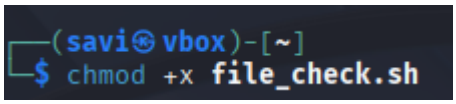
```
┌──(savi㉿vbox)-[~]
└─$ nano file_check.sh
```

Step 2-7 (extra credit):

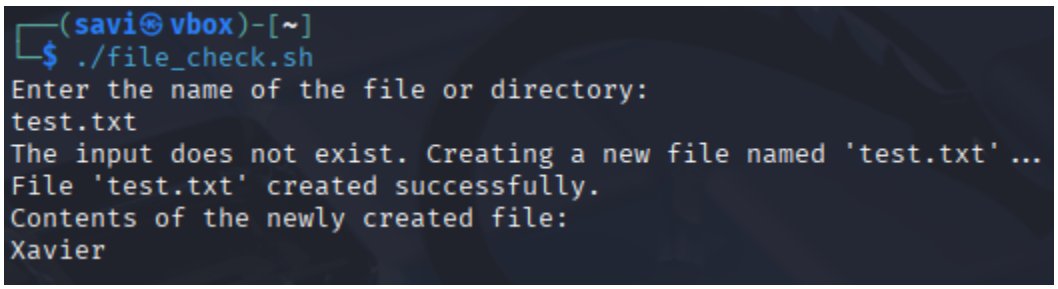


(then save and close the bash bin)

Step 3:



Step 4-7 (extra credit):

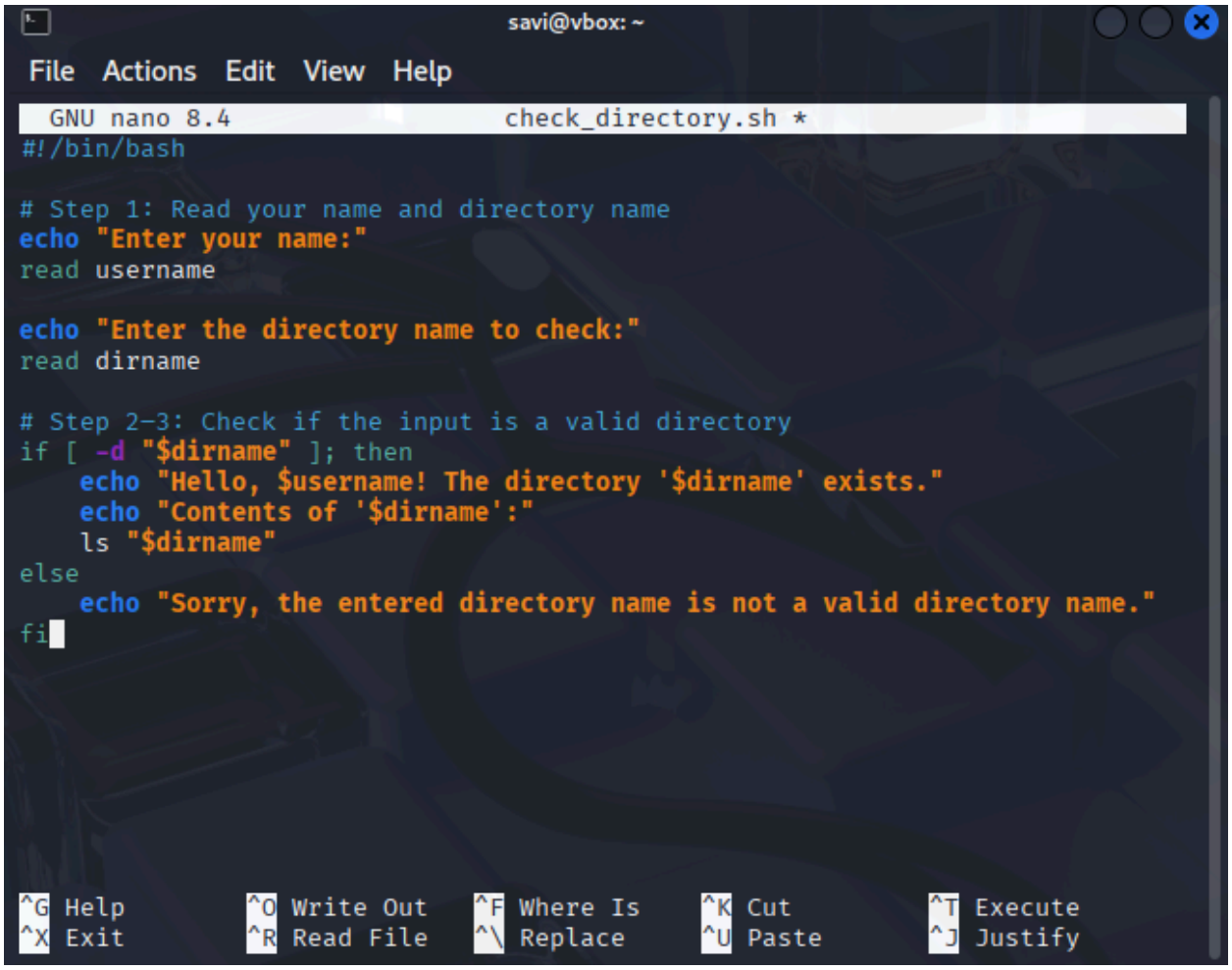


Extra Credit -

Step 1:

```
┌──(savi㉿vbox)-[~]
└─$ nano check_directory,sh
```

Step 2:



(then save and close the bash bin)

Step 3:

```
┌──(savi㉿vbox)-[~]
└─$ chmod +x check_directory.sh
```

Step 4 (showing multiple attempts):

```
┌──(savi㉿vbox)-[~]
└─$ ./check_directory.sh
Enter your name:
Xavier
Enter the directory name to check:
/etc/systemd
Hello, Xavier! The directory '/etc/systemd' exists.
Contents of '/etc/systemd':
journald.conf  networkd.conf  system          user
logind.conf    pstore.conf    system.conf     user.con
network        sleep.conf     timesyncd.conf
```

```
┌──(savi㉿vbox)-[~]
└─$ ./check_directory.sh
Enter your name:
Xavier
Enter the directory name to check:
/home
Hello, Xavier! The directory '/home' exists.
Contents of '/home':
cyse_project  savi  sophia
```

```
┌──(savi㉿vbox)-[~]
└─$ ./check_directory.sh
Enter your name:
Xavier
Enter the directory name to check:
/fake_directory
Sorry, the entered directory name is not a valid directory name.
```