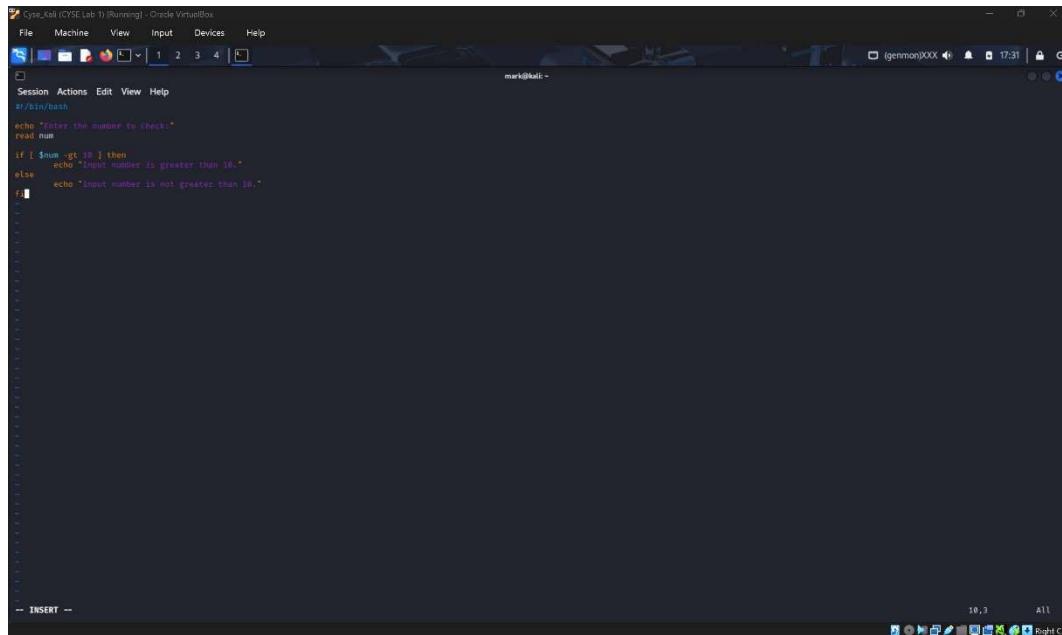


Task A (Correct script (25 points) + result/output after executing the script (25 points)-

Conditional Statement

Write a shell script using nano or vi editor (eg, vi scriptname.sh) like below, that performs the following task:

1. Add the Shebang (#!/bin/bash) as the first line in your script.
2. Read a number using read function
3. Using if statement, check if the input number is greater than 10, then print the message "Input number is greater than 10".
4. If the number is not greater than 10, then print the message, "Input number is not greater than 10".

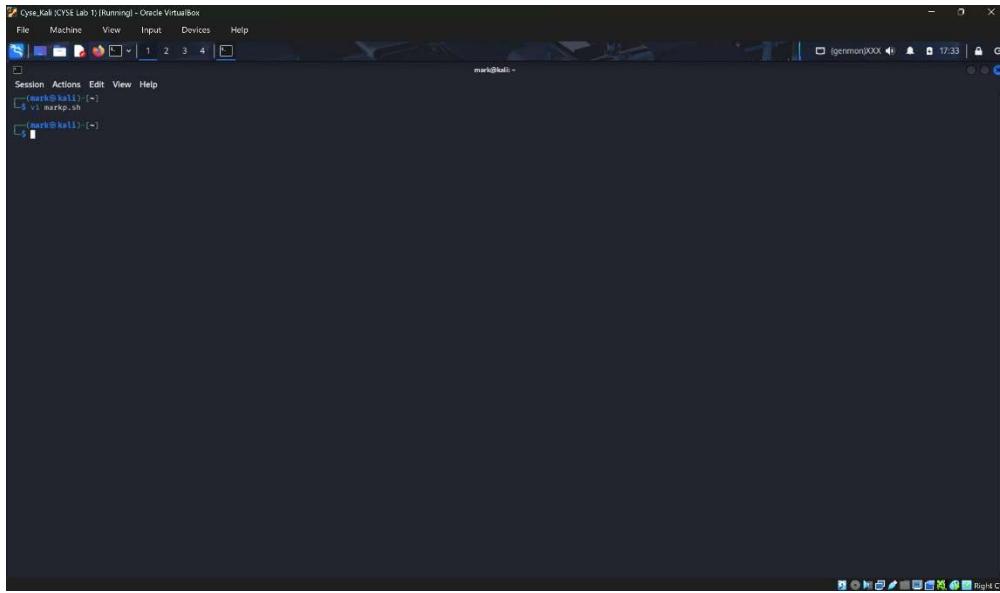


The screenshot shows a terminal window titled "Cyne_Lab1 (CYSE Lab 1) (Running) - Oracle VirtualBox". The window has a dark blue header bar with icons for file operations, a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help", and a status bar at the bottom showing "mark@kali: ~" and the date and time "17:31". The main area of the terminal is a text editor in "vi" mode. The script content is as follows:

```
#!/bin/bash
echo "Enter the number to check:"
read num
if [ $num -gt 10 ] then
    echo "Input number is greater than 10."
else
    echo "Input number is not greater than 10."
fi
```

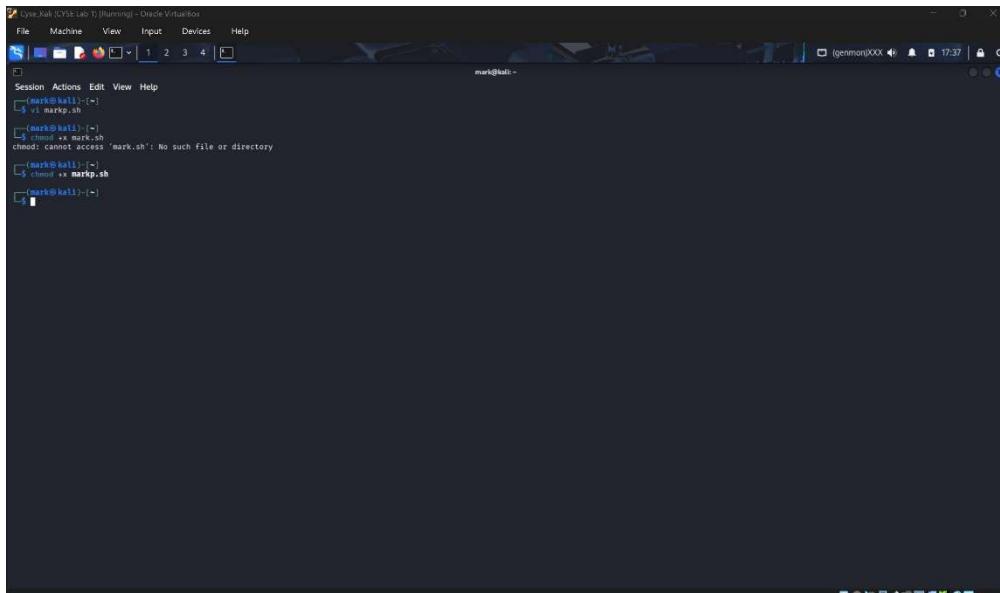
The status bar at the bottom of the terminal window indicates "INSERT" mode.

used vi markp.sh to create file and go into vi. Pressed I to insert and entered script per the lab 8 class material.



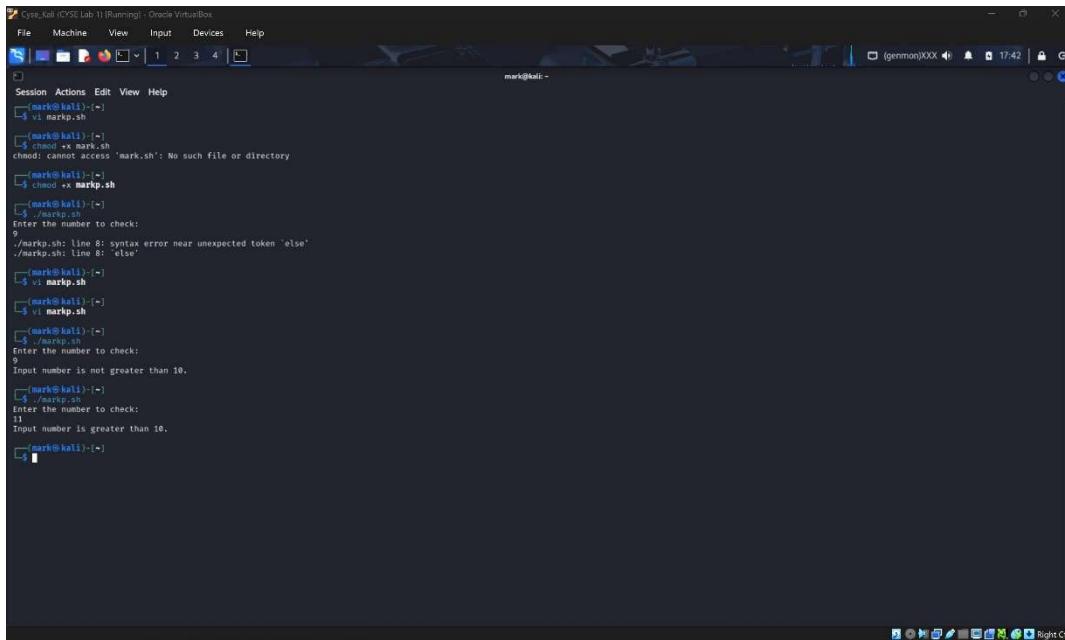
```
mark@kali:~$ vi markp.sh
```

pressed esc to exit insert mode and :wq to save and quit vi.



```
mark@kali:~$ chmod +x markp.sh
chmod: cannot access 'markp.sh': No such file or directory
```

used chmod + markp.sh to make file executable



```
mark@kali:~$ chmod +x mark.sh
mark@kali:~$ ./markp.sh
chmod: cannot access 'mark.sh': No such file or directory
mark@kali:~$ chmod +x markp.sh
mark@kali:~$ ./markp.sh
Enter the number to check:
9
./markp.sh: line 8: syntax error near unexpected token `else'
./markp.sh: line 8: `else'
mark@kali:~$ vi markp.sh
mark@kali:~$ vi markp.sh
mark@kali:~$ ./markp.sh
Enter the number to check:
9
Input number is not greater than 10.
mark@kali:~$ ./markp.sh
Enter the number to check:
11
Input number is greater than 10.
mark@kali:~$
```

after some minor errors was able to correct syntax error and successfully run the script.

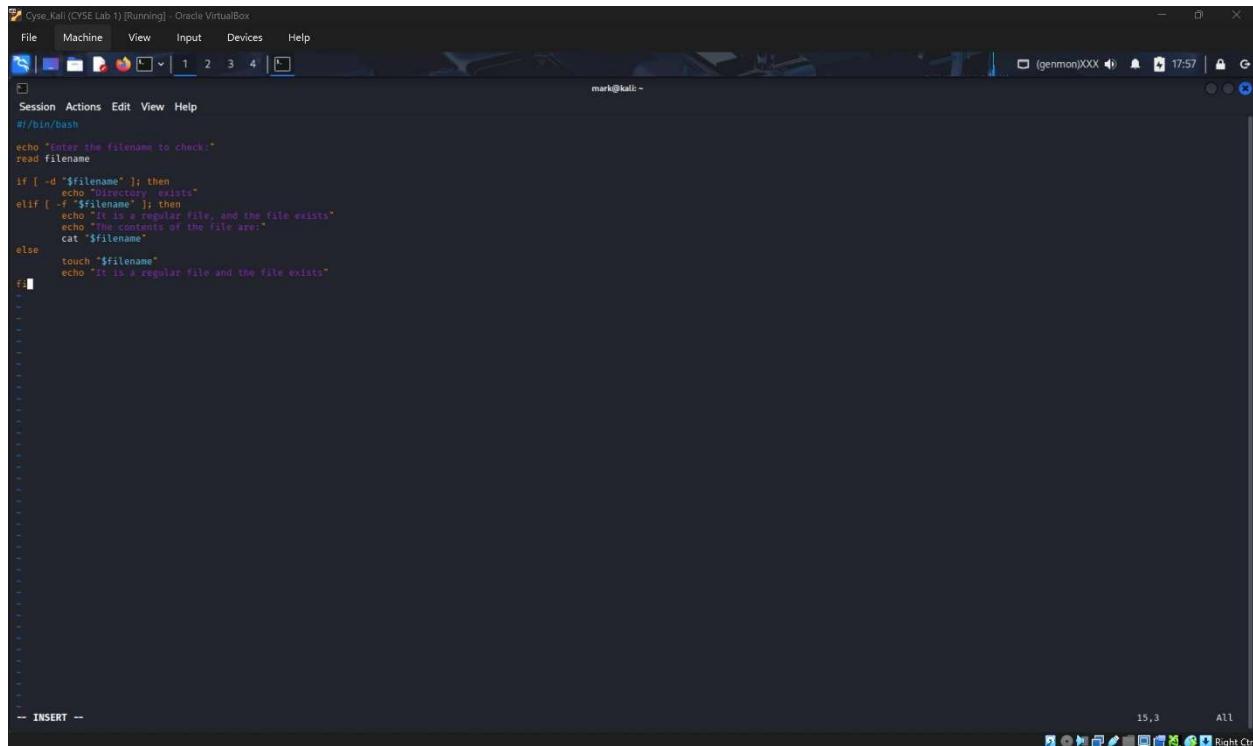
Task B (Correct script (25 points) + result/output after executing the script (25 points) -

Shell Script to Create a new file

Write a shell script using nano or vi editor (eg, nano scriptname.sh) like below, that

performs the following task:

1. Add the Shebang (#!/bin/bash) as the first line in your script.
2. Reads the name of the file to check for a filename that exists.
3. Check whether the given input is a directory or regular file.
4. If the input is a directory and exists, then display the message “Directory exists”.
5. If the input is a regular file, then display the message “It is a regular file, and the file exists” and display the contents of the file.
6. If the given input name in step-1 doesn’t exist, then create the new file with the given name in step-1.



mark@kali: ~

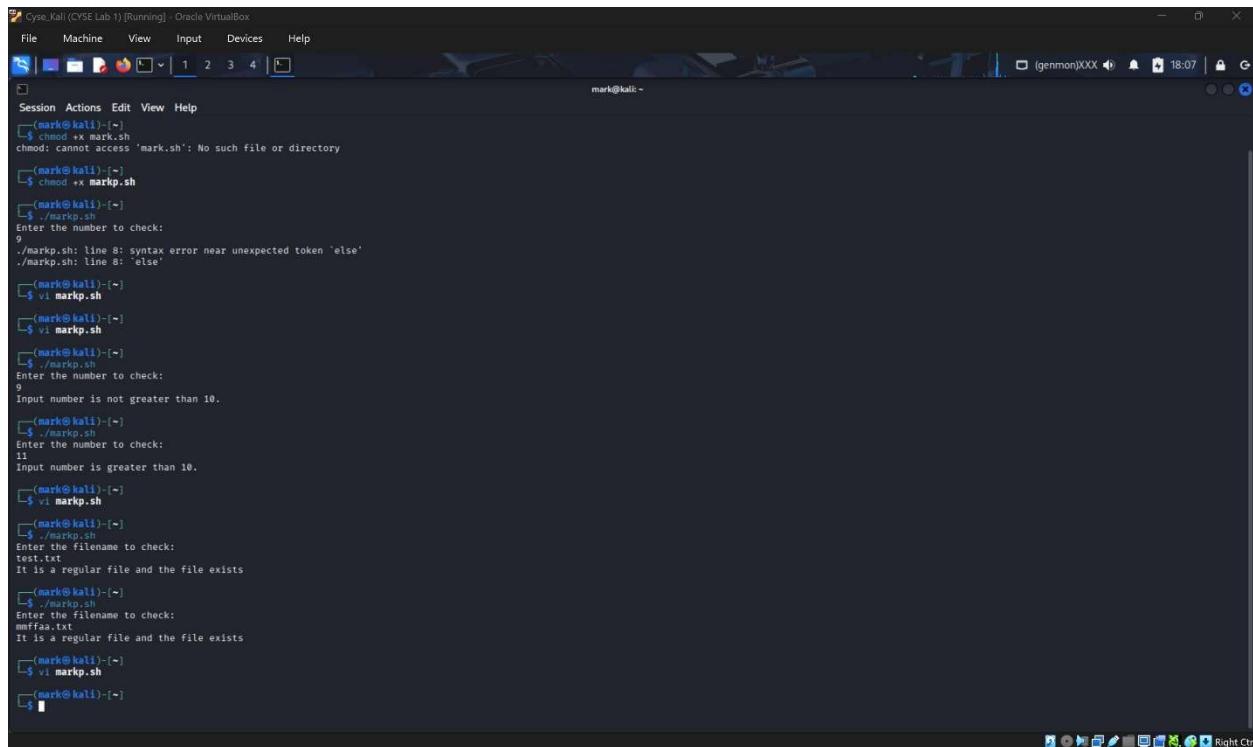
```
#!/bin/bash

echo "Enter the filename to check:"
read filename

if [ -d "$filename" ]; then
    echo "Directory exists"
elif [ -f "$filename" ]; then
    echo "It is a regular file, and the file exists"
    echo "The contents of the file are:"
    cat "$filename"
else
    touch "$filename"
    echo "It is a regular file and the file exists"
fi
```

-- INSERT --

used vi markp.sh to go back into the file and just edited the file with the new script. Esc to exit insert and :wq to quit vi.



```
mark@kali: ~
```

```
(mark@kali):~]$ chmod +x markp.sh
chmod: cannot access 'markp.sh': No such file or directory
(mark@kali):~]$ ./markp.sh
Enter the number to check:
9
./markp.sh: line 8: syntax error near unexpected token `else'
./markp.sh: line 8: `else'
(mark@kali):~]$ vi markp.sh
(mark@kali):~]$ ./markp.sh
Enter the number to check:
9
Input number is not greater than 10.
(mark@kali):~]$ ./markp.sh
Enter the number to check:
11
Input number is greater than 10.
(mark@kali):~]$ vi markp.sh
(mark@kali):~]$ ./markp.sh
Enter the filename to check:
test.txt
It is a regular file and the file exists
(mark@kali):~]$ ./markp.sh
Enter the filename to check:
nmffaa.txt
It is a regular file and the file exists
(mark@kali):~]$ vi markp.sh
(mark@kali):~]$
```

ran script and outputs match example.

