

CAP 454: LINUX AND SHELL SCRIPTING - LABORATORY

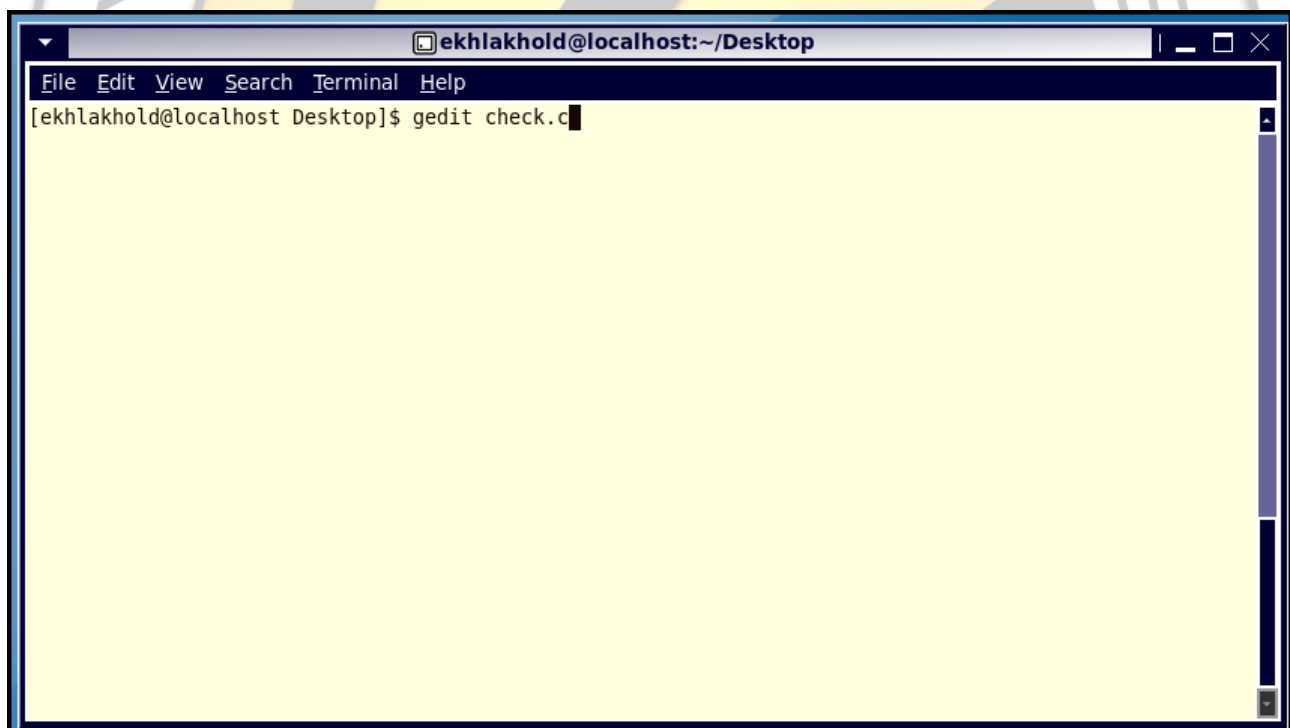
CONTINUOUS ASSESSMENTS (C.A)-3

ST_NAME: - EKHLAKH AHMAD
REG NO.: - 12209166
ROLL NO.: - RD2215B67
SECTION: - D2215
GROUP: - 2

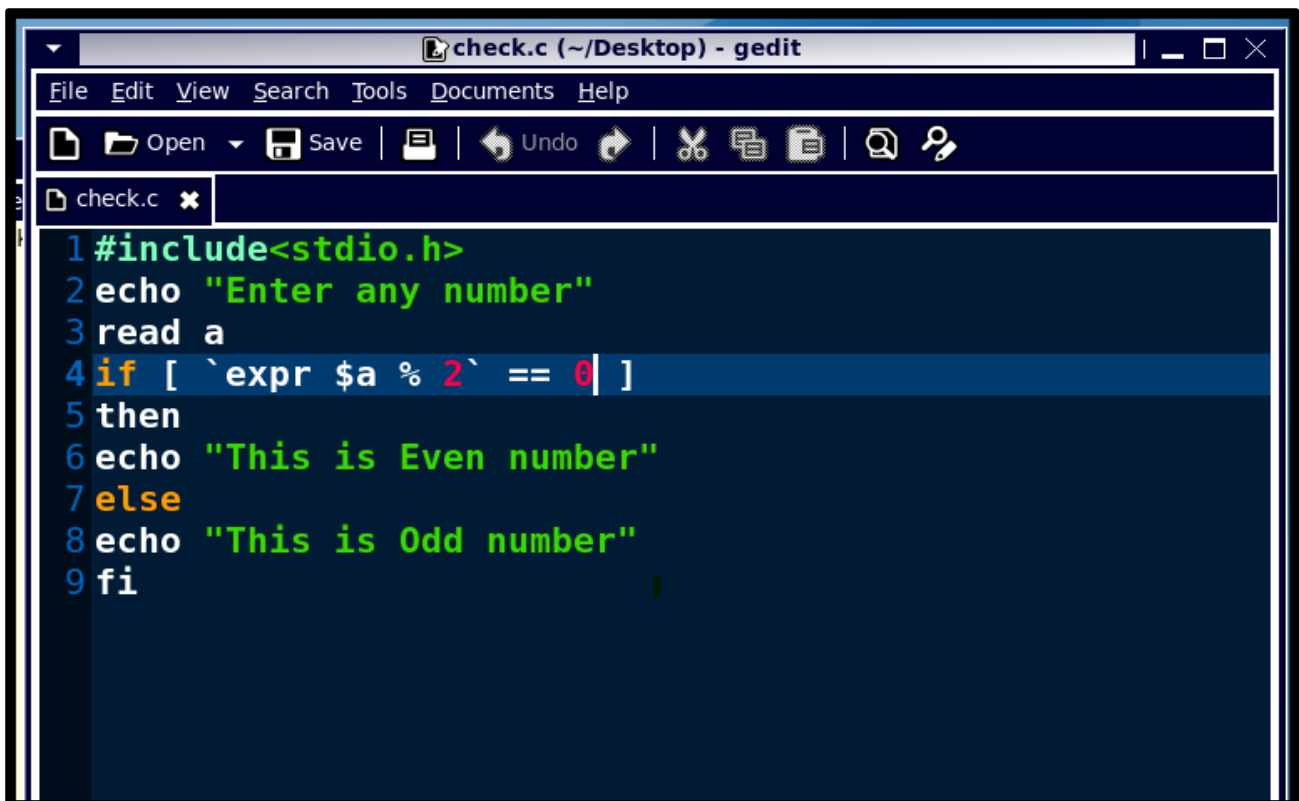
Q.1. Write a shell script to check whether the entered number is even or odd. Also execute any 10 vi cmds

Process: -

- ☞ Open VMWare software.
- ☞ And open Linux terminal.
- ☞ Type gedit check.c



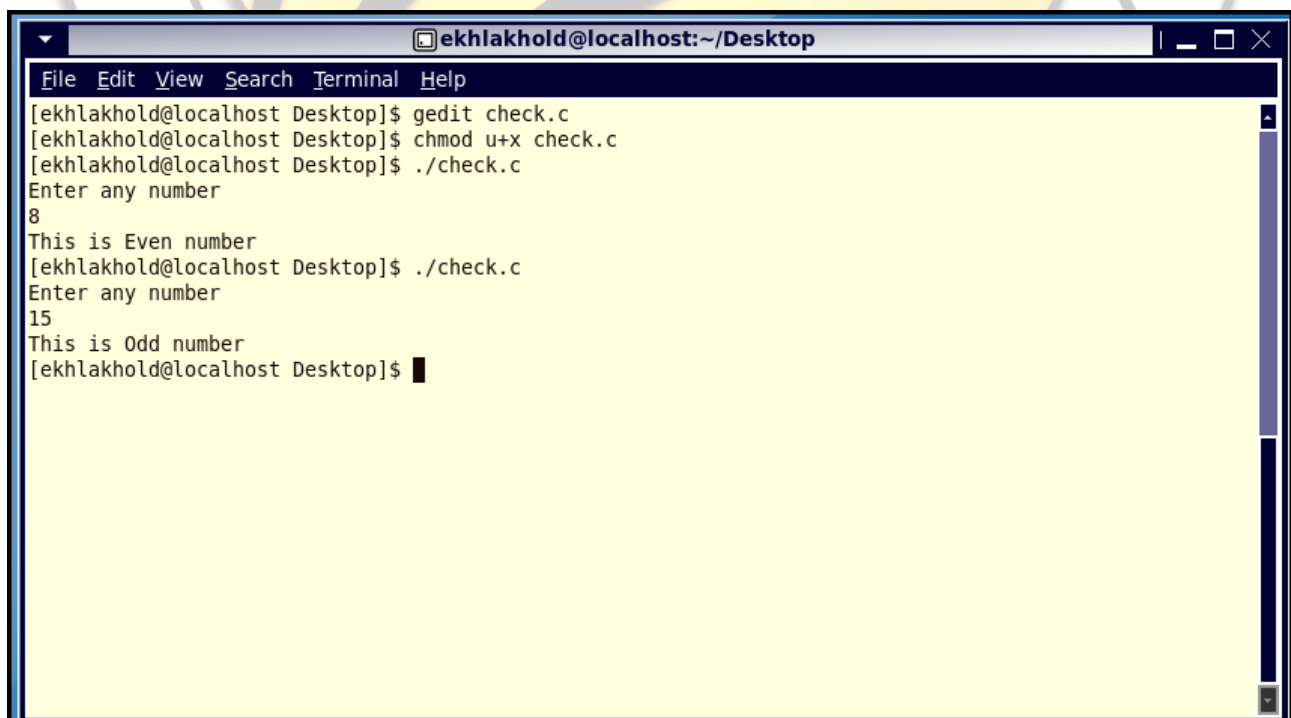
- ☞ Then press Enter key.
- ☞ Type some command according to need.
- ☞ And save it



The screenshot shows a gedit editor window titled "check.c (~/Desktop) - gedit". The menu bar includes File, Edit, View, Search, Tools, Documents, and Help. The toolbar contains icons for Open, Save, Undo, Redo, Cut, Copy, Paste, Find, and Replace. The file "check.c" is open, and the code is as follows:

```
1#include<stdio.h>
2echo "Enter any number"
3read a
4if [ `expr $a % 2` == 0 ]
5then
6echo "This is Even number"
7else
8echo "This is Odd number"
9fi
```

- ☞ Again open terminal.
- ☞ Give permission of file with `chmod u+x check.c`
- ☞ And run file with command `./check.c`

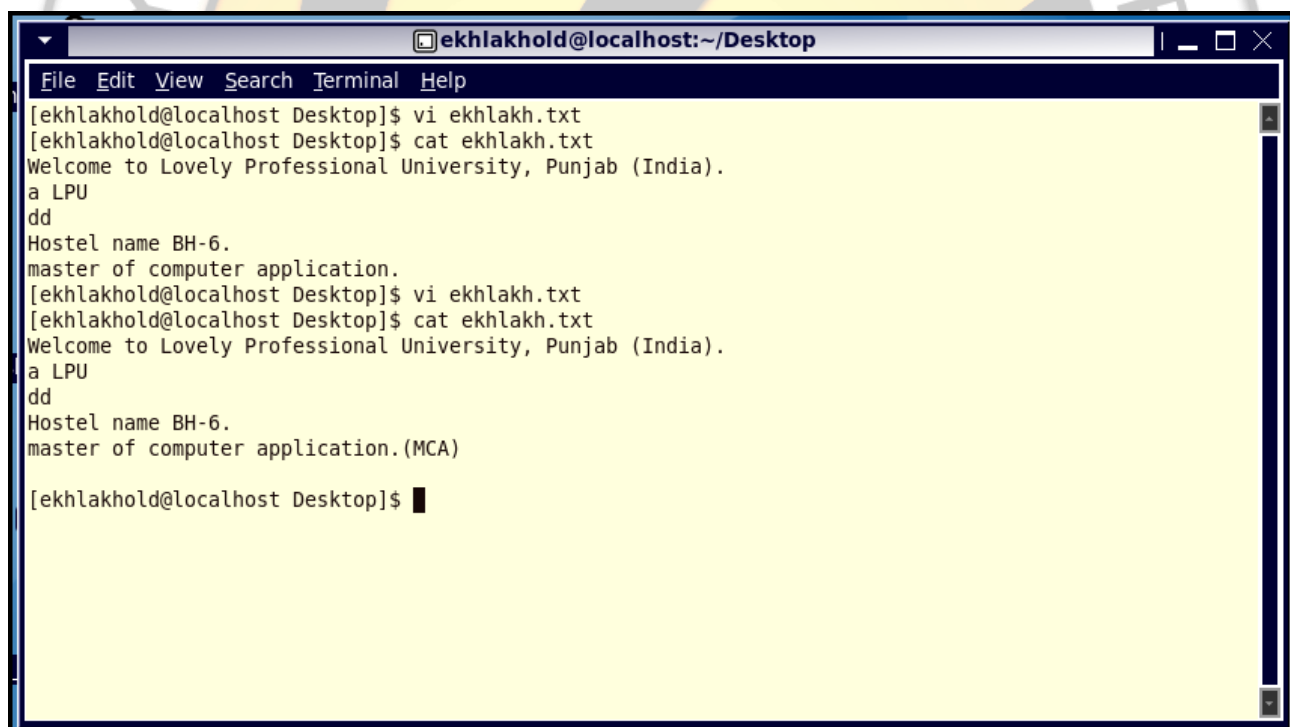


The screenshot shows a terminal window titled "ekhlakhhold@localhost:~/Desktop". The terminal output is as follows:

```
[ekhlakhhold@localhost Desktop]$ gedit check.c
[ekhlakhhold@localhost Desktop]$ chmod u+x check.c
[ekhlakhhold@localhost Desktop]$ ./check.c
Enter any number
8
This is Even number
[ekhlakhhold@localhost Desktop]$ ./check.c
Enter any number
15
This is Odd number
[ekhlakhhold@localhost Desktop]$
```

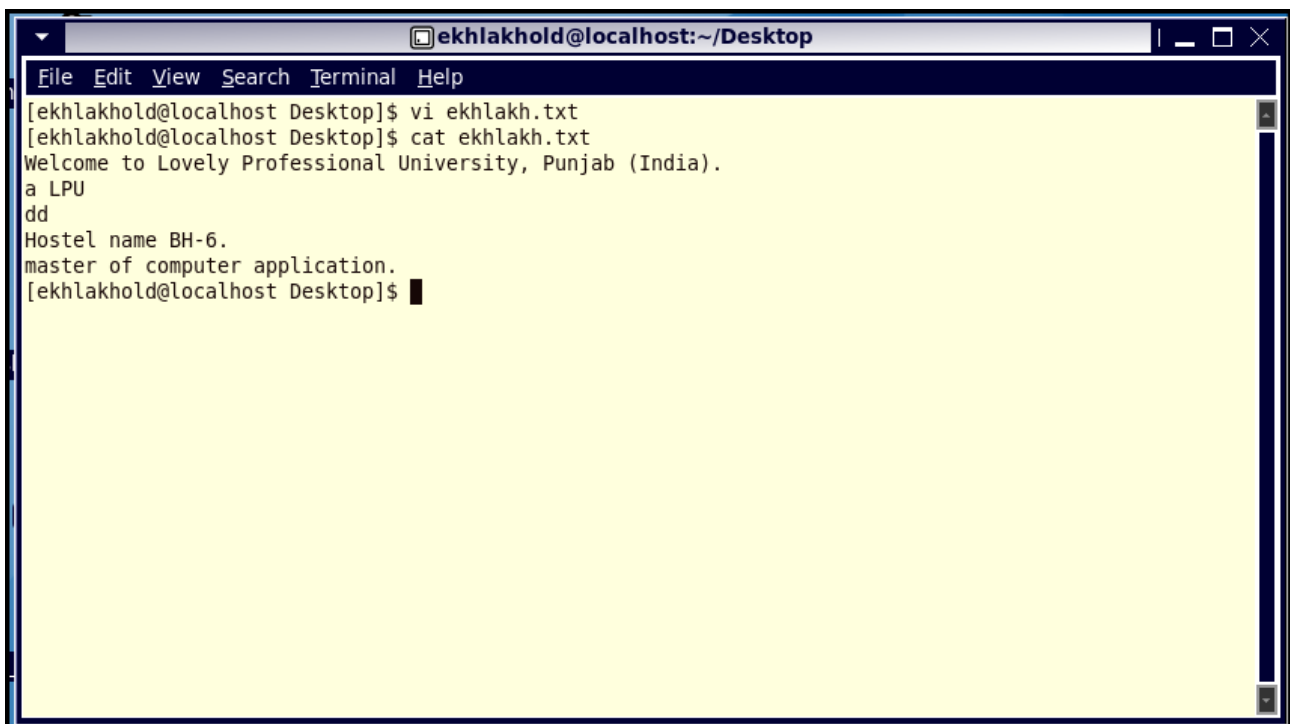
Execute any 10 vi Command.

- ☞ Open terminal in Linux.
- ☞ Type vi Ekhlakh.txt
- ☞ Then press Enter key.
- ☞ Press i (i for insert mode).
- ☞ Any some text as you need.
- ☞ Press “esc” key and “:wq” then press enter key.
- ☞ Type a→ add text after cursor.
- ☞ See after master of computer application add (MCA)



```
ekhlakhhold@localhost:~/Desktop
File Edit View Search Terminal Help
[ekhlakhhold@localhost Desktop]$ vi ekhlakh.txt
[ekhlakhhold@localhost Desktop]$ cat ekhlakh.txt
Welcome to Lovely Professional University, Punjab (India).
a LPU
dd
Hostel name BH-6.
master of computer application.
[ekhlakhhold@localhost Desktop]$ vi ekhlakh.txt
[ekhlakhhold@localhost Desktop]$ cat ekhlakh.txt
Welcome to Lovely Professional University, Punjab (India).
a LPU
dd
Hostel name BH-6.
master of computer application.(MCA)
[ekhlakhhold@localhost Desktop]$
```

☞ Type A → add text end of line.



```
ekhlakhhold@localhost: ~/Desktop
File Edit View Search Terminal Help
[ekhlakhhold@localhost Desktop]$ vi ekhlakh.txt
[ekhlakhhold@localhost Desktop]$ cat ekhlakh.txt
Welcome to Lovely Professional University, Punjab (India).
a LPU
dd
Hostel name BH-6.
master of computer application.
[ekhlakhhold@localhost Desktop]$
```

☞ Type u → Undo last change.

☞ Type dd → delete line.

☞ Type r → replace character.

☞ Type R → overwrite character from cursor.

☞ Type D → delete line after cursor.

☞ Type dw → delete word.

☞