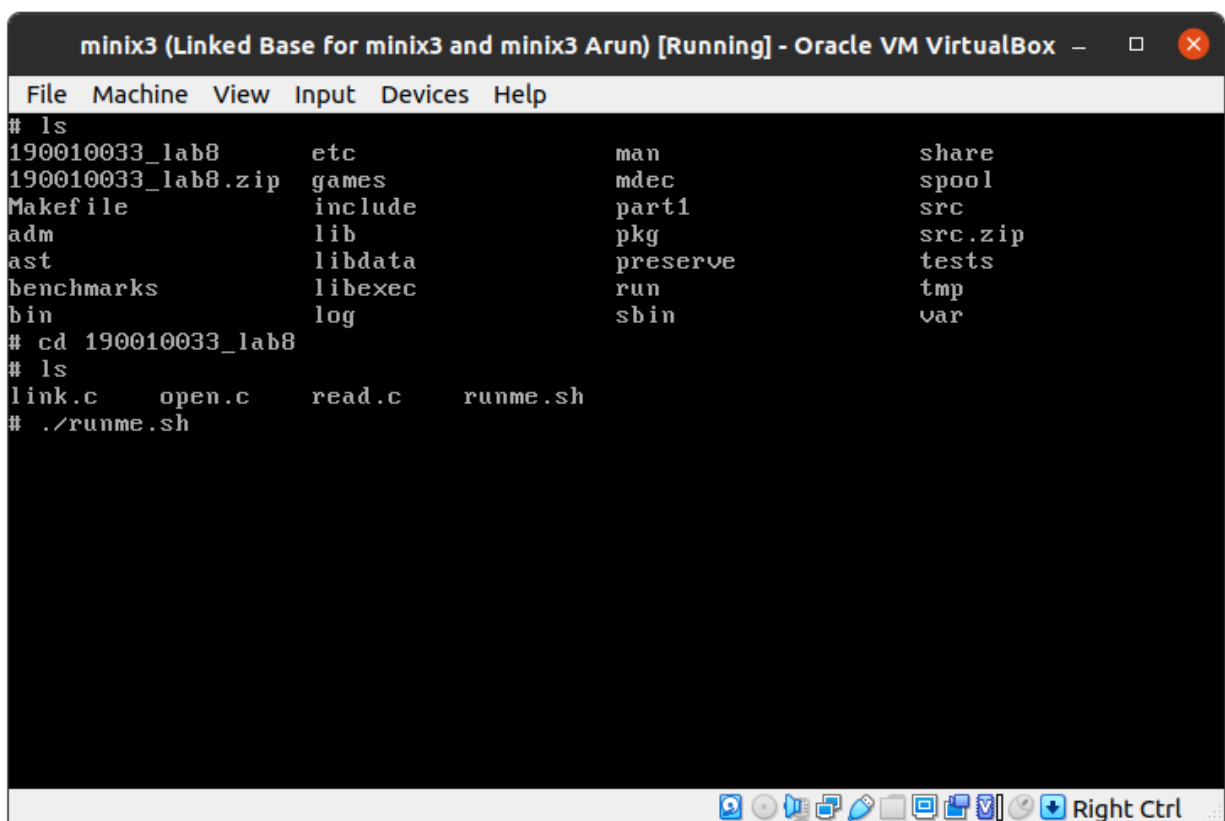


Operating Systems Laboratory ASSIGNMENT - 8

'/home' is a distinct mfs file system in this assignment. With this trace, you can see how the mfs file system is operating, but only for the file system mounted at /home.



The screenshot shows a terminal window titled "minix3 (Linked Base for minix3 and minix3 Arun) [Running] - Oracle VM VirtualBox". The terminal displays the following commands and output:

```
# ls
190010033_lab8      etc                man                share
190010033_lab8.zip games             mdec              spool
Makefile           include           part1             src
adm                lib               pkg               src.zip
ast                libdata           preserve          tests
benchmarks         libexec           run               tmp
bin                log               sbin              var

# cd 190010033_lab8
# ls
link.c  open.c  read.c  runme.sh
# ./runme.sh
```

The terminal window includes a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help". At the bottom, there is a taskbar with various icons and a "Right Ctrl" button.

lab8 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

```
# cd /home/  
# pwd  
/home  
# touch new.txt  
file created: 78  
# _
```

Right Ctrl

lab8 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

```
# mv run.sh /home/  
file created: 79  
file written: 79; nbytes = 168; offset = 168  
#
```

Right Ctrl

lab8 [Running] - Oracle VM VirtualBox

```
File Machine View Input Devices Help
# mv run.sh /home/
file created: 79
file written: 79; nbytes = 168; offset = 168
# cd /home/
# cat run.sh
file read: 79; nbytes = 4096; offset = 168
cp open.c /usr/src/minix/servers/vfs/open.c
cp link.c /usr/src/minix/servers/vfs/link.c
cp read.c /usr/src/minix/servers/vfs/read.c
cd /usr/src
make build MKUPDATE=yes
file read: 79; nbytes = 4096; offset = 168
# -
```

Right Ctrl

lab8 [Running] - Oracle VM VirtualBox

```
File Machine View Input Devices Help
# pwd
/home
# ls
byte-unixbench-mod      new.txt      run.sh
byte-unixbench-mod.zip  pranav
# mv run.sh /usr/180010027_lab6
file read: 79; nbytes = 4096; offset = 168
file read: 79; nbytes = 4096; offset = 168
file deleted: 79
# rm new.txt
file deleted: 78
# -
```

Right Ctrl