

2.B. Write a shell program to create a backup file for a directory (tar backup and normal backup)

Output:

1] tar backup:

Code:

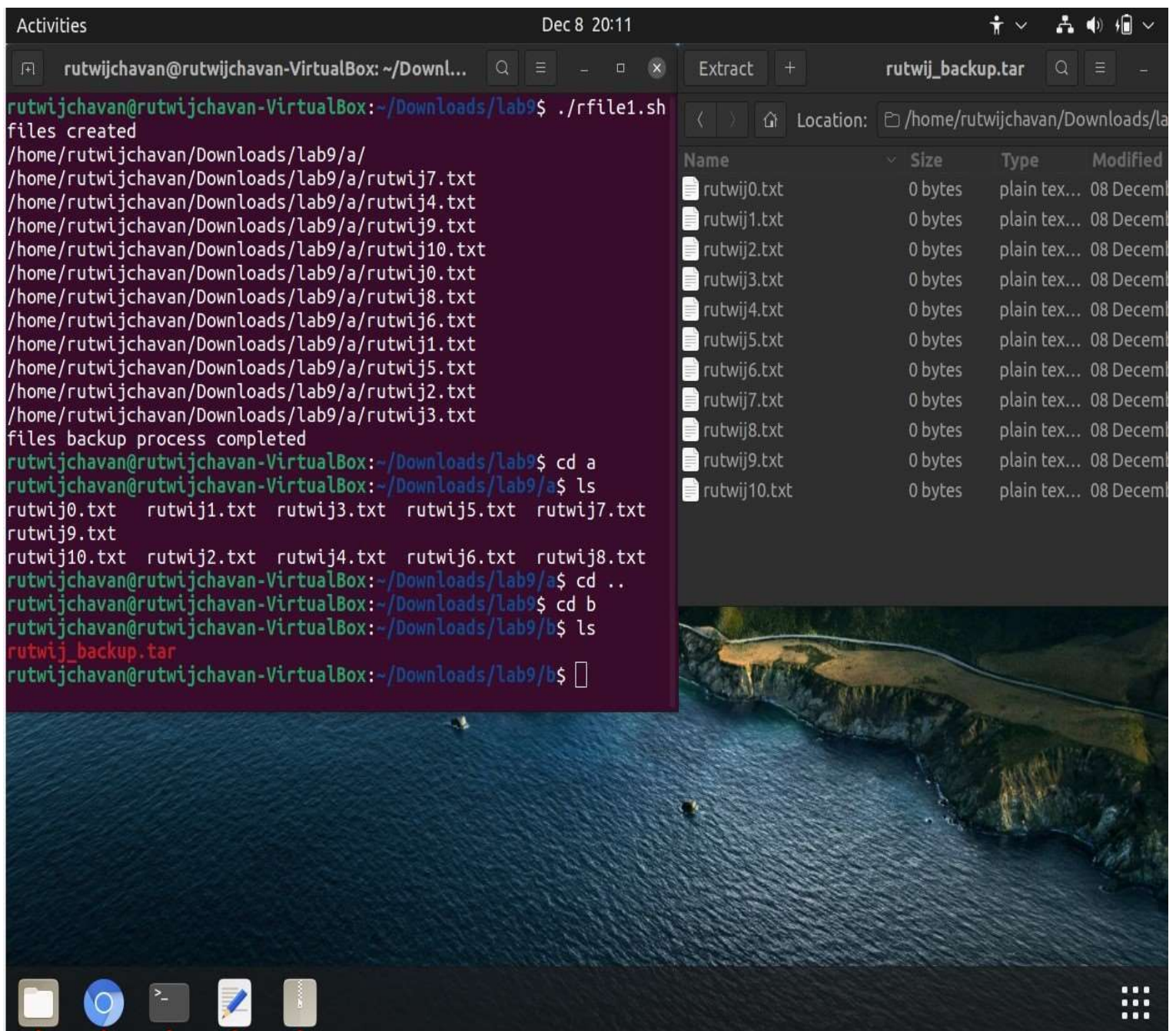
The screenshot shows a Linux desktop environment. On the left, a text editor window titled `*rfile1.sh` displays a shell script. On the right, a file manager window titled `rutwij_backup.tar` shows a list of files. At the bottom, a taskbar contains icons for the file manager, web browser, terminal, and text editor.

```
1 #!/usr/bin/bash
2 #create backup files
3
4 files_location="/home/rutwijchavan/Downloads/lab9/a"
5
6 touch $files_location/rutwij{0..10}.txt
7 echo "files created"
8
9 bckp_location=/home/rutwijchavan/Downloads/lab9/b
10
11 tar cvf $bckp_location/"rutwij_backup.tar" $files_location -P
12 echo "files backup process completed"
```

Name	Size	Type	Modified
rutwij0.txt	0 bytes	plain tex...	08 Deceml
rutwij1.txt	0 bytes	plain tex...	08 Deceml
rutwij2.txt	0 bytes	plain tex...	08 Deceml
rutwij3.txt	0 bytes	plain tex...	08 Deceml
rutwij4.txt	0 bytes	plain tex...	08 Deceml
rutwij5.txt	0 bytes	plain tex...	08 Deceml
rutwij6.txt	0 bytes	plain tex...	08 Deceml
rutwij7.txt	0 bytes	plain tex...	08 Deceml
rutwij8.txt	0 bytes	plain tex...	08 Deceml
rutwij9.txt	0 bytes	plain tex...	08 Deceml
rutwij10.txt	0 bytes	plain tex...	08 Deceml

sh ▾ Tab Width: 8 ▾ Ln 11, Col 1 ▾ INS

Output:



2]Normal backup:

Code and Output:

```
Activities  Terminal  Dec 8 20:28
Open  *rfile2.sh  Save  ~./Downloads/lab9

1#!/usr/bin/bash
2#create backup files
3
4files_location="/home/rutwijchavan/Downloads/lab9/c"
5
6touch $files_location/rutwij{0..10}.txt
7echo "files created"
8
9files_location="/home/rutwijchavan/Downloads/lab9/c"
10
11bckp_location=/home/rutwijchavan/Downloads/lab9/d
12
13cp $files_location $bckp_location/"rutwij_backup" -r
14echo "files backup process completed"
```

```
rutwijchavan@rutwijchavan-VirtualBox: ~/Downloads/lab9/d/rutwij...
rutwijchavan@rutwijchavan-VirtualBox:~/Downloads/lab9$ ./rfile2.sh
files created
files backup process completed
rutwijchavan@rutwijchavan-VirtualBox:~/Downloads/lab9$ cd c
rutwijchavan@rutwijchavan-VirtualBox:~/Downloads/lab9/c$ ls
rutwij0.txt  rutwij1.txt  rutwij3.txt  rutwij5.txt  rutwij7.txt  rutwij9.txt
rutwij10.txt rutwij2.txt  rutwij4.txt  rutwij6.txt  rutwij8.txt
rutwijchavan@rutwijchavan-VirtualBox:~/Downloads/lab9/c$ cd ..
rutwijchavan@rutwijchavan-VirtualBox:~/Downloads/lab9$ cd d
rutwijchavan@rutwijchavan-VirtualBox:~/Downloads/lab9/d$ ls
rutwij_backup
rutwijchavan@rutwijchavan-VirtualBox:~/Downloads/lab9/d$ cd rutwij_backup
rutwijchavan@rutwijchavan-VirtualBox:~/Downloads/lab9/d/rutwij_backup$ ls
rutwij0.txt  rutwij1.txt  rutwij3.txt  rutwij5.txt  rutwij7.txt  rutwij9.txt
rutwij10.txt rutwij2.txt  rutwij4.txt  rutwij6.txt  rutwij8.txt
rutwijchavan@rutwijchavan-VirtualBox:~/Downloads/lab9/d/rutwij_backup$
```