

ASSIGNMENT 1

Assignment 1: Ensure the script checks if a specific file (e.g., myfile.txt) exists in the current directory. If it exists, print "File exists", otherwise print "File not found".

Description: This script checks if a specified file (e.g., **myfile.txt**) exists in the current directory. If the file exists, it prints "File exists"; otherwise, it prints "File not found".

Script:

```
#!/bin/sh

# Check if file exists in the directory

read -p "Enter the file name: " filename

if [ -f "$filename" ]; then

    echo "File exists"

else

    echo "File not found"

fi
```

Sample Output:

```
Enter the file name: variable.sh
File exists

Enter the file name: myfile.txt
File not found
```

The screenshot shows a terminal window titled "rps@rps-virtual-machine: ~/programs" with a timestamp of "May 25 07:34". The terminal is running the nano 6.2 editor to create a file named "check_file.sh". The script content is as follows:

```
#!/bin/sh

# Check if file exists in the directory

read -p "Enter the file name:" filename

if [ -f $filename ]; then
    echo "File exists"
else
    echo "File not found"
fi
```

The terminal window includes a sidebar with application icons and a bottom status bar with system information and a search bar.

The screenshot shows the same terminal window after the script has been executed. The terminal output is as follows:

```
rps@rps-virtual-machine:~$ nano check_file.sh
rps@rps-virtual-machine:~$ dir
check_file.sh  hello                Pictures  Templates
Desktop        Music                programs Videos
Documents      node_exporter-0.18.1.linux-amd64.tar.gz  Public
Downloads      oracle-database-xe-21c-1.0-1.018.x86_64.rpm  snap
rps@rps-virtual-machine:~$ cd programs
rps@rps-virtual-machine:~/programs$ dir
check_file.sh  variable.sh
rps@rps-virtual-machine:~/programs$ chmod 777 ./check_file.sh
rps@rps-virtual-machine:~/programs$ ./check_file.sh
Enter the file name:variable.sh
File exists
rps@rps-virtual-machine:~/programs$
```

The terminal window shows the directory listing, the execution of the script, and the successful completion of the file existence check.