DAY- 3 LSP Assignment

A. File Management:

1. Create, rename, or delete multiple files based on a pattern or criteria.

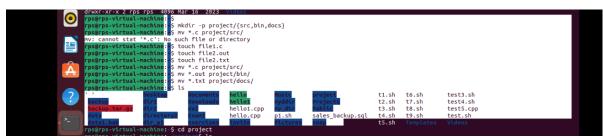
```
TPS@Pps-Virtual-machine: S "OAY -3"

DAY -3" command not found

A psgpps-virtual-machine: S for f in ".txt; do mv "Sf" "S{f%.txt}.bak"; done
psgpps-virtual-machine: S for f in ".txt; do mv "Sf" "S{f%.txt}.bak"; done
psgpps-virtual-machine: S for fin ".txt; do mv "Sf" "S{f%.txt}.bak";

The command of the c
```

2. Organize files into a specific directory structure.



3. Back up or archive important files.

B. Text Processing:

1. Search and replace text within a group of files.

```
Importent_files/

ps@pps_virtual-machine: s bash di.sh
sed: can't read *.txt: No such file or directory
sp@pps_virtual-machine: s bash di.sh
ps@pps_virtual-machine: s bash di.sh
ps@pps_virtual-mac
```

2. Extract specific information from log files or data sets.

```
vind2.sh: command not found
rpsgrps-virtual-machine: S grep "ERROR" *.log >error.txt
grep: *.log: No such file or directory
rpsgrps-virtual-machine: S touch mi.log
rpsgrps-virtual-machine: S cat >mi.log
rpsgrps-vi
```

3. Format text files in a particular way.

```
### Spage of the state of the
```

C. Practise codes.

1. To check if the previous command has been executed succesfully or not?



2. Shell script to check the command is successful or not?

3. To check whether a file exists or not.

```
resurps-virtual-machin: S echo "to check wheather file exists or not !"
to check wheather file exists or not !
suppose twal-machin: S cat file_exist.sh
#!/usr/bin/env bash
cat $1 && echo " file exists"
cat $1 || echo " file does nt exist"
poserps-virtual-machin: S cat file_exist1.sh
#!/usr/bin/env bash
cat $1
if [ $? -eq 0]
then echo "file exist"
else
echo "file don't exist "
fit
poserps-virtual-machin: S
```

4. Note -

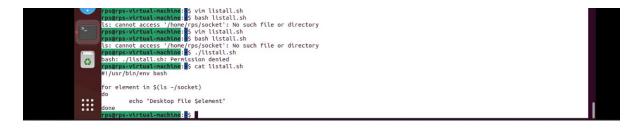
- **a.** \$\$ is the PID of the current process.
- **b.** \$? is the return code of the last executed command.
- **c.** \$# is the number of arguments in \$*
- **d.** \$* is the list of arguments passed to the current process
- 5. Code for file_exist in shell

```
figs@rps-virtual-nachine: $ cp file_exist.sh file_exist2.sh
rps@rps-virtual-nachine: $ vin file_exist2.sh
rps@rps-virtual-nachine: $ bash file_exist2.sh

^c
rps@rps-virtual-nachine: $ cat file_exist2.sh
#!/usr/bin/env bash

cat $1 &> /dev/null && echo"file exist"
cat $1 &> /dev/null && echo"file doesn't exist"
rps@rps-virtual-nachine: $ file_exist2.sh
#!/usr/bin/env bash
```

6. Code //



Note:

- 1. In order to compare **numbers** in a bash script, use the following:
 - a -eq b for checking if a is equal to b
 - a -ne b for checking if a is not equal to b
 - a -gt b for checking if a is greater than b

2.

```
In order to compare strings in a bash script, use the following:

s1 = s2 for checking if s1 is equal to s2

s1 != s2 for checking if s1 is not equal to s2

s1 < s2 for checking if s1 is less than s2 by lexicographical order

s1 > s2 for checking if s1 is greater than to s2 by lexicographical order

-n s1 for checking if s1 has a length greater than 0

-z s1 for checking if s1 has a length of 0
```

Assignment

TASK -2

1. Write a shell script called timely_greeting.sh that greets you based on the current time. The script should call the date command, extract the current hour (look into using %H) and then print the following greeting based on the time.

If it is between 5AM (05:00) and 12PM (12:00): Good morning! If it is between 12PM (12:00) and 6PM (18:00): Good afternoon! If it is between 6PM (18:00) and 5AM (5:00): Good night!



2. The script to include addition, subtraction, multiplication and division operations, and handle division by zero appropriately.

```
Invalid operation. Please chose one of the operation

rps@rps=virtual-machins: S vim cal.sh

rps@rps=virtual-machins: S bash cal.sh

Enter the first integer:
8

Enter the second integer:
4

Choose the operation you want to perform:add, subtract, multiply or divide
add

The sum of 8 and 4 is:12

rps@rps=virtual-machins: S
```

3. Title: Create, Write, and Read Files Using Shell Script

Objective:

Develop a shell script that can create a file, write user-provided content into the file, and then read and display the content of the file.