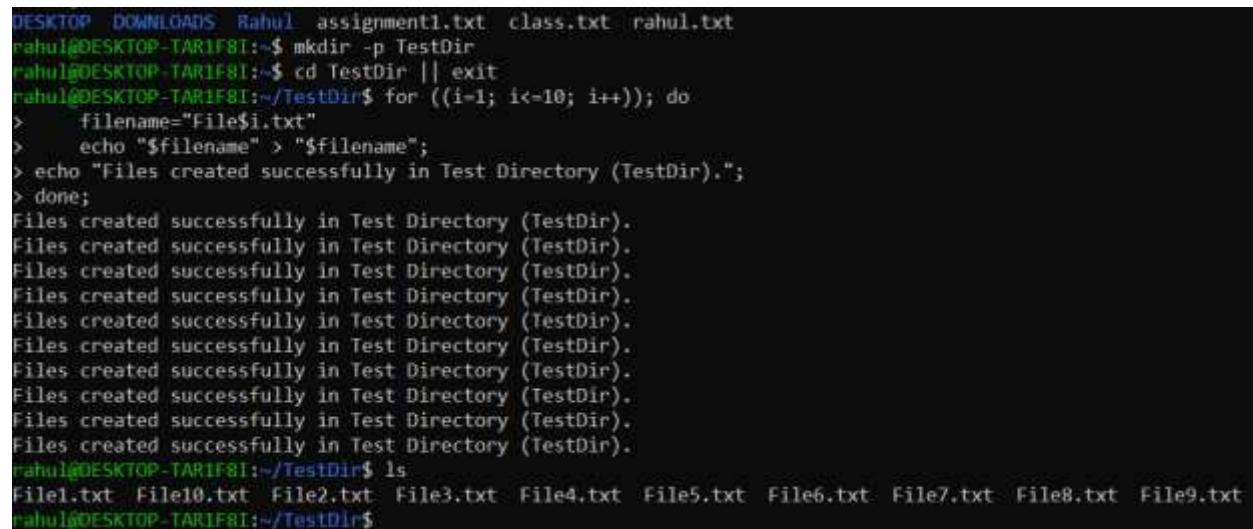


- ❖ **Assignment 4:** Write a script that creates a directory named TestDir and inside it, creates ten files named File1.txt, File2.txt, ... File10.txt. Each file should contain its filename as its content (e.g., File1.txt contains "File1.txt").

```
mkdir -p TestDir
cd TestDir || exit
for ((i=1; i<=10; i++)); do
    touch="File$i.txt"
    echo "$filename" > "$filename";
done;
echo "Files created successfully in Test Directory (TestDir).";
```



A terminal window screenshot showing the execution of the script. The prompt is 'DESKTOP DOWNLOADS Rahul assignment1.txt class.txt rahul.txt'. The user runs 'mkdir -p TestDir', 'cd TestDir || exit', and then a loop to create 10 files. The output shows 10 lines of 'Files created successfully in Test Directory (TestDir).' followed by a 'ls' command listing the files: File1.txt, File10.txt, File2.txt, File3.txt, File4.txt, File5.txt, File6.txt, File7.txt, File8.txt, File9.txt.

```
DESKTOP DOWNLOADS Rahul assignment1.txt class.txt rahul.txt
rahul@DESKTOP-TAR1F81:~$ mkdir -p TestDir
rahul@DESKTOP-TAR1F81:~$ cd TestDir || exit
rahul@DESKTOP-TAR1F81:~/TestDir$ for ((i=1; i<=10; i++)); do
>     filename="File$i.txt"
>     echo "$filename" > "$filename";
> echo "Files created successfully in Test Directory (TestDir).";
> done;
Files created successfully in Test Directory (TestDir).
Files created successfully in Test Directory (TestDir).
Files created successfully in Test Directory (TestDir).
Files created successfully in Test Directory (TestDir).
Files created successfully in Test Directory (TestDir).
Files created successfully in Test Directory (TestDir).
Files created successfully in Test Directory (TestDir).
Files created successfully in Test Directory (TestDir).
Files created successfully in Test Directory (TestDir).
Files created successfully in Test Directory (TestDir).
rahul@DESKTOP-TAR1F81:~/TestDir$ ls
File1.txt File10.txt File2.txt File3.txt File4.txt File5.txt File6.txt File7.txt File8.txt File9.txt
rahul@DESKTOP-TAR1F81:~/TestDir$
```