



**Sagar Institute of Research & Technology, Bhopal**  
**Department of Information Technology**  
**Experiment No. 10**

**Aim:** Write a Shell script to get number of files present in any directory.

**THEORY:**

**Cd:** The cd command can be used for to change the directory that means we can change the existing directory.

**Wc:** The wc command can be used for to count the number of words on given data by using wc command options we can count the number of lines on a file (wc-l).

**Is:** The ls command is one of the more basic commands in Linux. It is designed to list the names and features of files and directories. It can be used for single file or as many as all files and folders in a selected set of directories.

CODE:

```
mkdir SHELL
ls
cd SHELL
ls | wc -l
touch file_count.sh
sudo nano file_count.sh
#!/bin/bash
#Get user input
read -p " Enter directory location " LOCATION
#Execute command
command=$(ls $LOCATION | wc -l)
echo " Number of files in $LOCATION is $command"
```

**COMPILE:**

```
sudo chmod +x file_count.sh
./ file_count.sh
```



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OUTPUT:

```
technistars@ubuntu-tech: ~/shellscript
technistars@ubuntu-tech:~/shellscript$ ls | wc -l
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technistars@ubuntu-tech:~/shellscript$ nano file_count.sh
technistars@ubuntu-tech:~/shellscript$ ./file_count.sh
Enter directory location: /bin
Number of files in /bin is 1536
technistars@ubuntu-tech:~/shellscript$
```