1. Write a shell script that takes a command line argument and reports on whether it is a directory or a file.

```
echo "Enter File"
read str
if test -f $str
then echo "file exist and it is an ordinary file"
elif test -d $str
then echo "it is a directory file"
else
echo "file does not exist"
fi
```

```
rakshit@RG:~/sample$ ./file_exist.sh
Enter File
file.txt
file exist and it is an ordinary file
rakshit@RG:~/sample$ ./file_exist.sh
Enter File
miet.txt
file does not exist
rakshit@RG:~/sample$ S
```

2. Write a shell script that takes file names as arguments and convert all of them to uppercase.

```
#get filename
echo -n "Enter file Name : "
read filename
if [ ! -f $filename ]
then
echo "Filename $filename does not exist"
exit
fi
#convert
tr '[a-z]' '[A-Z]' < file.txt
```

```
rakshit@RG:~/sample$ cat file.txt
I'm from miet !!
miet is a college !!
rakshit@RG:~/sample$ ./cap.sh
Enter file Name : file.txt
I'M FROM MIET !!
MIET IS A COLLEGE !!
rakshit@RG:~/sample$
```

Write a shell script that capture number of command line arguments and display the argument supplied by the user. Using the grep command we have to search the string entered as argument 1 in the file name entered as argument 2

```
echo "program:$0"
echo "The number of argument entered are = $#"
echo "The argument are = $*"
grep "$1" $2
echo "job finished"
```

```
rakshit@RG:~/sample$ ./shell.sh miet file.txt
program:./shell.sh
The number of argument entered are = 2
The argument are = miet file.txt
I'm from miet !!
miet is a college !!
job finished
rakshit@RG:~/sample$
```