1.Write a shell script that captures number of command line arguments and display the arguments and display the arguments supplied by the user. Using the grep command we have to search the string entered as argument 1 in the filename entered as argument2.

```
ayushmaan@ASJ:~/Music$ nano a.sh
ayushmaan@ASJ:~/Music$ chmod +x a.sh
ayushmaan@ASJ:~/Music$ ./a.sh
Program:./a.sh
The number of arguments are = 0
The arguments are =

job finish
```

```
echo "Program:$0"
echo "The number of arguments are = $#"
echo "The arguments are = $*"
echo "$1" $2
echo "job finish"
```

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

```
ayushmaan@ASJ:~/Music$ nano b.sh
ayushmaan@ASJ:~/Music$ chmod +x b.sh
ayushmaan@ASJ:~/Music$ ./b.sh
enter file
a.txt
it is a directory file
```

```
echo "enter file"
read str
if test -f $str
then echo "it is a directory file"
else
echo "file does not exist"
fi
```

3. Write a shell script that takes filename as arguments and convert all of them to uppercase

```
ayushmaan@ASJ:~/Music$ nano c.sh
ayushmaan@ASJ:~/Music$ chmod +x c.sh
ayushmaan@ASJ:~/Music$ ./c.sh
Enter file name:a.txt
./c.sh: line 5: [!: command not found
MY NAME IS AYUSHMAAN SINGH JAMWAL
ROLL NO. 2021A1R052
SECTION A1
```

```
#get filename
echo -n "Enter file name:"
read fileName
#make sure file exists for reading
if [! -f $fileName]
then
echo "Filename $fileName does not exists"
exit 1
fi
#convert to uppercase using tr command
tr '[a-z]' '[A-Z]' <$fileName
```