1.1 Write a shell program to receive a specific word and file name as command line arguments and perform the options ,
Check whether the file is empty or not, If not empty then,

a. **Display the no of lines that contains only the specific word**
b. **Delete the lines of the file contains the specific word.**

```
fname=$1;
w=$2;
echo "Filename:$fname";
echo "Word:$w";

if [ -s $fname ]
then

echo -e "\nFile is not empty";

echo -e "\nlines that contain specific word:";

grep $w $fname;

grep -v $w $fname > temp.txt;
mv temp.txt $fname;

else
echo "File is empty";
fi
```

```
alan@DESKTOP-N0TVOD0: /mnt/e/networklab/shell_program
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$ cat sample.txt
hello
hello java
hai
how
java
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$ bash 1_1.sh sample.txt java
Filename:sample.txt
Word:java

File is not empty

lines that contain specific word:
hello java
java
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$ cat sample.txt
hello
hai
how
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$
```

1.2 Write a shell script to print the sum of first n odd numbers.

```
echo "enter the value for n:";
read n;
sum=0;
t=1;
for((i=0;i<$n;i++))
do
sum=`expr $sum + $t`;
t=`expr $t + 2`;
done
echo "sum=$sum";
```