

- ➔ 1. Write a shell script code that takes number of lines and read every line explicitly and modify that content into these manner
- (N is Even numbered lines) swap N and N-1 lines
 - In every sentence words are also changed into same manner
 - Every lower case alphabet is changed into upper case and vise-versa
 - Lets look into below example

Input:

Enter the number of lines : 5

Hi bro

How are you

I am fine

What about you

Iam also fine

Output:

ARE hOW YOU

BRO hI

ABOUT wHAT YOU

AM i FINE

ALSO iAM FINE

Source code:

```

1 #!/bin/bash
2 read -p "Enter the number of lines : " n
3 echo -n > output.txt
4 function chc(){
5     nu=`echo $1 | wc -c`; st=''
6     for ((y=1;y<=nu;y++))
7     do
8         w=`echo $1 | cut -c $y`
9         case $w in
10             [a-z])
11                 st=$st`echo $w | tr 'a-z' 'A-Z'`
12                 ;;
13             [A-Z])
14                 st=$st`echo $w | tr 'A-Z' 'a-z'`
15                 ;;
16             *)
17                 st=$st$w
18                 ;;
19         esac
20     done
21     a=$st; }
22 function ml(){
23     r=$#
24     echo -n > o.txt ; j=1
25     for k in $@
26     do
27         if [ $((j%2)) = 0 ];then
28             chc $k;echo $a 1>> o.txt;echo $b 1>> o.txt
29         else
30             chc $k;b=$a
31             fi;let j++
32         done
33         if [ $((r%2)) = 1 ];then
34             echo $b 1>> o.txt
35             fi;l=`cat o.txt`
36     }
37     for ((i=1;i<=n;i++))
38     do
39         read -p "" line
40         if [ $((i%2)) = 0 ];then
41             ml $line;echo $l 1>> output.txt;echo $t 1>> output.txt
42         else
43             ml $line;t=$l
44             fi
45         done
46         if [ $((n%2)) = 1 ];then
47             echo $t 1>> output.txt
48             fi;echo "<----- OUTPUT ----->" :cat output.txt

```

Output:

```

sis@sis-VirtualBox:~$ bash new1.sh
Enter the number of lines : 5
Hi hello hi
How Are YoU I
I am Fine
What aBout You B
I am A Lso Fine
<----- OUTPUT ----->
aRE hOW i yOu
HELLO hI HI
ABOUT wHAT b yOU
AM i fINE
AM i lSO a fINE

```