OPEARTING SYSTEM

Experiment No. 04

/	AIM - To Implement the program in the shell-
-	
-	To might dies number in reverse order
-	2) To find the even and odd numbers fromthe
-	given arrays.
-	
-	Theory -
-	
-	The Algorithm for reversing strings or number in reverse order as -
-	in reverse order as -:
-	
-	1) first reverse the lines and words or it con
-	be number sometimes using the total common
-	further,
-	(2) we can we perl with print scalar reverse
-	option.
2	3 Then we can use awk command to reverse the
-	data under Linux or unix.
-	(4) There's also sed Command one line for
-	reverging given in out
_	(3) finally, we can write a shall script to reky
-	the program one by one.
-7	(and win and
-	 ,
	reversing strings and numbers in shell-progra
	reversing strings and numbers in shell-program
-	coming and we also found
	number from an array.

Program codes:

Program 01

```
# n=123465
echo "Please enter the Number you want to reverse:"
read n
sd=0
rev=0
while [$n -gt 0]
do
    sd=$(($n \% 10))
    rev=$(($rev * 10 + $sd ))
    n=$(($n / 10))
done
echo "Reverse number of entered digit is $rev"
```

Output:

```
→ Practical Codes git:(master) bash Experiment_5.sh
Please enter the Number you want to reverse:
887799
Reverse number of entered digit is 997788
```

Program codes:

Program 02

```
echo "---- EVEN OR ODD IN SHELL SCRIPT -----"
echo -n "Enter a number:"
read n
echo -n "RESULT: "
if [ `expr $n % 2` == 0 ]
then
        echo "$n is even"
else
        echo "$n is Odd"
fi
```

Output:

```
→ Practical Codes git:(master) bash Experiment_2.sh
---- EVEN OR ODD IN SHELL SCRIPT -----
Enter a number:77
RESULT: 77 is Odd
```