

G. H. Raison College Of Engineering And Management, Wagholi Pune

2021- 2022

Assignment no :- 4

Department

CE [SUMMER 2022 (Online)]

Term / Section

IV/B

Date Of submission

20-02-2022

Subject Name /Code

Computer Networks /UCOL205

Roll No.

SCOB77

Name

Pratham Rajkumar pitty

Registration Number

2020AC0E1100107

Experiment NO. 4

1

AIM → To Implement the program in the Shell script

- ① To print given number in reverse order
- ② To find the even and odd numbers from the given array.

Theory →

The Algorithm for reversing strings or numbers in reverse order is →

- ① First, reverse the lines and words or it can be ~~reverse~~ numbers sometime using ~~to rev~~ command
- ② we can use awk command to reverse the data under ~~the~~ Linux or Unix
- ③ we can use perl with print scalar reverse option.
- ④ There's also sed command one line for reversing given input
- ⑤ finally, we can write a shell script to reverse the program one-by-one

Conclusion →

Thus, we successfully learned the methods reversing strings and numbers in shell-programming and we also found even and odd numbers from an array.

Assignment no 4

```
File Actions Edit View Help
GNU nano 5.9
echo "SCOB77_Pratham_Pitty"
echo "Assignmnet no 4 PART -1 "
echo "To print given number in reverse order"

echo "Enter any number "
read n
r=0
temp=0
while [ $n -gt 0 ]
do
    temp=$(( $n % 10 ))
    r=$(( $r * 10 + $temp ))
    n=$(( $n / 10 ))
done
echo "Element is reverse order are :- $r"

echo "PART -2"
echo "To find even and odd numbers from given array"
echo "Enter the elements in array"
echo "Enter a number : "
read no
num=$(( $no % 2 ))
if [ $num -eq 0 ]
then
echo "$no is even number"
else
echo "$no is odd number"
fi
```

```
(pratham@pratham)-[~/Videos/os_assignment]
$ ./assignment4.sh
SCOB77_Pratham_Pitty
Assignmnet no 4 PART -1
To print given number in reverse order
Enter any number
12345
Element is reverse order are :- 54321

PART -2

To find even and odd numbers from given array
Enter the elements in array
Enter a number :
1235
1235 is odd number
```