G. H. Raisoni College Of Engineering And Management, Wagholi Pune			
2021- 2022			
Assignment no :- 3			
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. 03

Aim → To implemt the programs in Shell script
① To find factorial of given no.
② to find greatest of three no

Theory →

Shell programming is supported by the different types of variables including array variable

This variable can hold multiple values at the same time. Array provide a method of grouping for set of variables

instead of creating a new name for each variable that is essential, we can use a single array variable that can store all other variables

Defining an array in Shell Programming →

Syntax →

array_name [index] = value

Here, array_name is the name of the array that is assigned equals to value which is another variable

Conclusion :→

Thus we learnt to implement array in Shell-script and successfully implemented program for factorial of numbers and finded the greatest of three numbers.

Assignment no 3


```
┌──(pratham㉿pratham)-[~/Videos/os_assignment]
└─$ ./assignment3.sh
─────────────────────PART 1─────────────────────
 program to find factorial  of given number
Enter a number
5
120
═════════════════════PART 2═════════════════════
 To find greatest of three numbers
 enter first number
5
enter second number
3
enter third number
4
 5 is greatest

┌──(pratham㉿pratham)-[~/Videos/os_assignment]
└─$
```

```
 GNU nano 5.9                                                    assignment3.sh
# to find factorial of given number
echo "─────────────────────PART 1─────────────────────"
echo " program to find factorial  of given number "
echo "Enter a number"
read num

fact=1

while [ $num -gt 1 ]
do
  fact=$((fact * num))
  num=$((num - 1))
done
echo $fact



echo "═════════════════════PART 2═════════════════════"

echo " To find greatest of three numbers"

echo " enter first number"
read a
echo "enter second number"
read b
echo "enter third number"
read c

if [ $a -gt $b ] && [ $a -gt $c ]
then
```