G. H. Raisoni College Of Engineering And Management, Wagholi Pune			
2021- 2022			
Assignment no :- 5			
Department	CE [SUMMER 2022 (Online)]		
Term / Section	IV/B	Date Of **submission**	20-02-2022
Subject Name /Code	Computer Networks /UCOL205		
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Experiment no 5

Aim :→ write a menu driven Shell-script program to develop a calculator

Theory :→ Approach For developing a calculator in Shell - programming language.

① First, we'll take input of two numbers
② Input choise will be asked to the user as→
  1) Addition
  2) multiplication
  3) Division
  4) Subtraction
③ Then further, we''ll use conditional statements to build the logic for the calculator as

① if choice equals to 1
  calculator ress = a+b
elif
  choice equals to 4
  Calculator ress = a/* b
elif choice equals to 2
  calculator ress = a/b
elif chorc equals to 3
  calculator ress = a *b
.fi
⑤ Thus we'll return output as an Result by returning ress

Conclusion :→
          Thus, we succesfully impemented a Shell-script for a mena driven calculator.

Assignment no 5

```
File  Actions  Edit  View  Help
 Enter one no.
4
Enter second no.
6
1.Addition
2.Subtraction
3.Multiplication
4.Division
Enter your choice
1
Sum =10
Do you want to continue ?
yes
1.Addition
2.Subtraction
3.Multiplication
4.Division
Enter your choice
5
Invalid choice
Do you want to continue ?
yes
1.Addition
2.Subtraction
3.Multiplication
4.Division
Enter your choice
2
Sub = -2
Do you want to continue ?
yes
1.Addition
2.Subtraction
3.Multiplication
4.Division
Enter your choice
4
Div = 0
Do you want to continue ?
yes
1.Addition
2.Subtraction
3.Multiplication
4.Division
Enter your choice
3
Mul = 24
Do you want to continue ?
^[[A^[[A^[[B

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

```bash
  GNU nano 5.9
#!/bin/bash
clear
#scob77 pratham pitty
sum=0
i="yes"
echo " Enter one no."
read n1
echo "Enter second no."
read n2
while [ $i = "yes" ]
do
echo "1.Addition"
echo "2.Subtraction"
echo "3.Multiplication"
echo "4.Division"
echo "Enter your choice"
read ch
case $ch in
1)sum=`expr $n1 + $n2`
echo "Sum ="$sum;;
2)sum=`expr $n1 - $n2`
echo "Sub = "$sum;;
3)sum=`expr $n1 \* $n2`
echo "Mul = "$sum;;
4)sum=`expr $n1 / $n2`
echo "Div = "$sum;;
*)echo "Invalid choice";;
esac
echo "Do you want to continue ?"
read i
if [ $i ≠ "yes" ]
then
        exit
fi
done
```