USP LAB

Aim: to find factorial of a number n

```
echo "enter a number"
read n
fact = 1

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

echo "factorial = " $ fact
```

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VSP LAB

Aim : To find Salary of employee

```
echo "enter da :"
read da
echo "enter hra :"
read hra
echo "enter base :"
read base

total=`expr $da + $hra + $base`

echo "total salary :" $total
```

USP LAB

Aim: Shell program to perform basic Arithmetic
Operations using switch case

```
echo "enter the first value"
read a
echo "enter the second value"
read b
echo "1. addition"
echo "2. subtraction"
echo "3. multiplication"
echo "4. division"
echo "5. modulus"
echo "enter choice:"
read choice

case $choice in
    1) echo addition : $(expr $a + $b);;
    2) echo subtraction: $(expr $a - $b);;
    3) echo multiplication: $(expr $a \* $b);;
    4) echo division   : $(expr $a / $b);;
    5) echo modulus    : $(expr $a % $b);;
esac
```