29/11/22 LAB-4) Shell script to find the factorial of a number #11/ban/sh echo "Enter the number" read num lact-1 while [sown -gt 1] fact = expr spact 1* 5 mm num = esupa snum -1' done echo Spact c pro- ((sat mill) } Output: Enter the number: and I was I for (1- M) 1 - A 6 2) Shell Script to perform anthoretic operations on given tuo of numbers #1/bim/sh echo "1. Addition n 2. Subtraction n 3 Multiplication In 4. Division m" read opt echo "Enter two number" regd a A shall endfe to find the fourt of read b case "s opt" in echo "The sum of \$a and \$b is \$sum";;) sum = \$ ((\$a+\$b)) 2) dill = \$ ((\$a - \$b)) echo = "The days of \$ a and \$ b is \$ days"; 3 mul = \$ ((\$a*\$b)) echo "The product of \$a and \$6 95 \$mul"; 4) div = \$((\$a/\$b))

echo "The quotient of \$a and \$b is \$div *) echo " Im alid option";; esac Output: Menn: 1. Addition 2. Subtraction 3. Multiplication 4. Devision

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3. Shell script to find sum of even numbers upto ,
    #1/bin/sh
     echo "Enter the value of n: \n"
     Sum = 0
     while [$n-gt o]
     do
     if test $ (($n%2)) -eq 0
                                           311137
     then
     sum = $ (($sum + $n))
     N = 5 ((5n - 1))
     else
     n = \{((s_{N-1}))\}
     fi
     done
     echo "The sum is: $ sum"
    output:
   Enter the value of n:
       The sum is:12
 4. Shell script to find the power of a number:
      # 1/ ben /sh
      echo " Enter the base and the power: \n"
                                          0.4.3
       read b
       nead it was not some and
       nul =1
        while [$e=gt o]
        nnl=$ (($b* fmul))
                             and all the
         e= $((se-1))
         done
                          more than the said of the said
         echo fmul
    Output:
        Enter the base and the power;
```

Enter two numbers

The product of 2 and 3 is 6

3

shell script to do the following read the user possible way in which user may enter the Enpert. # 1/bin/bash echo a Entar option" nead opt " \$ opt " in "Agreed"; ay" | "y" | " Yes" " yEs" | "yes") echo c(N" | " n" | " No" | " No" | " no") exit 1;; *) echo " Invalid option";; esac autput: Enter option Enter option Yes If they give any cases of yes print "Agreed".

If they give any cases of no then exit with Exited Agreed