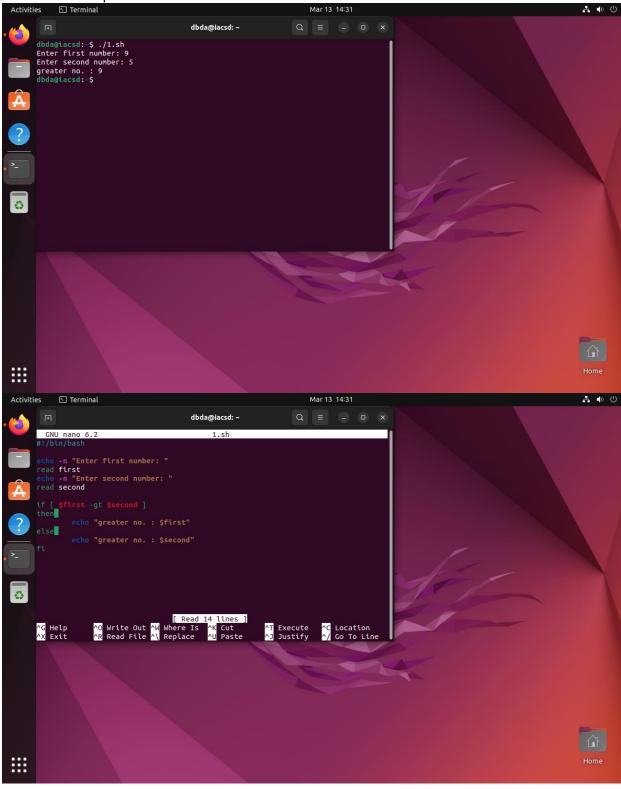
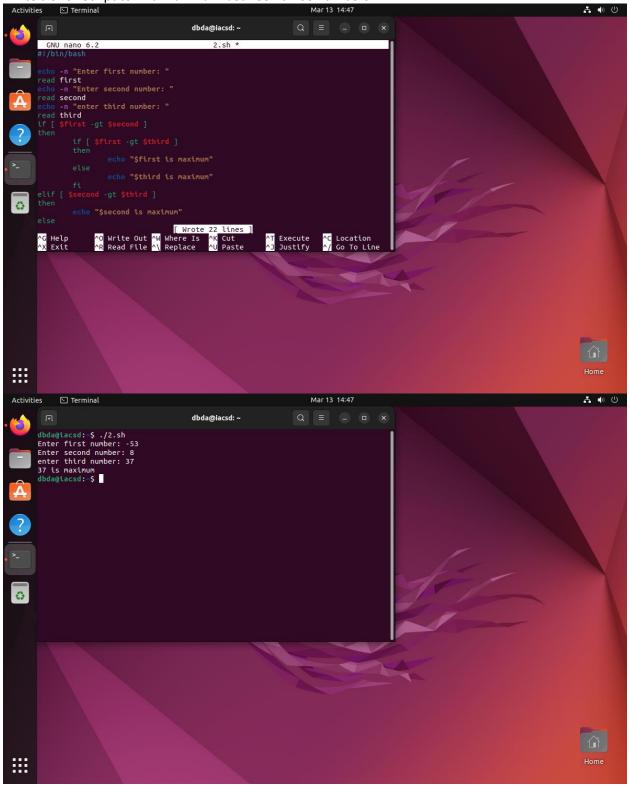
Assignment-3

1. Write a Shell Script to find maximum between two numbers.



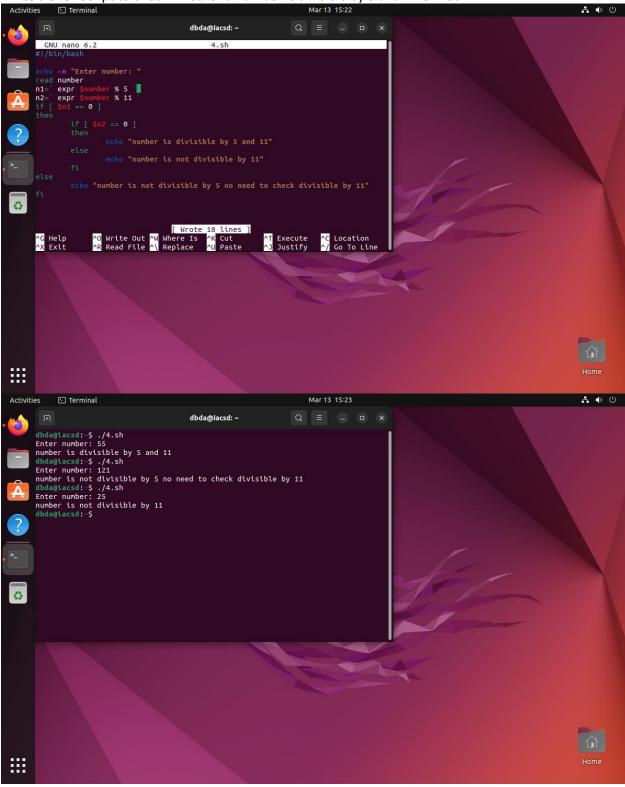
2. Write a Shell Script to find maximum between three numbers.



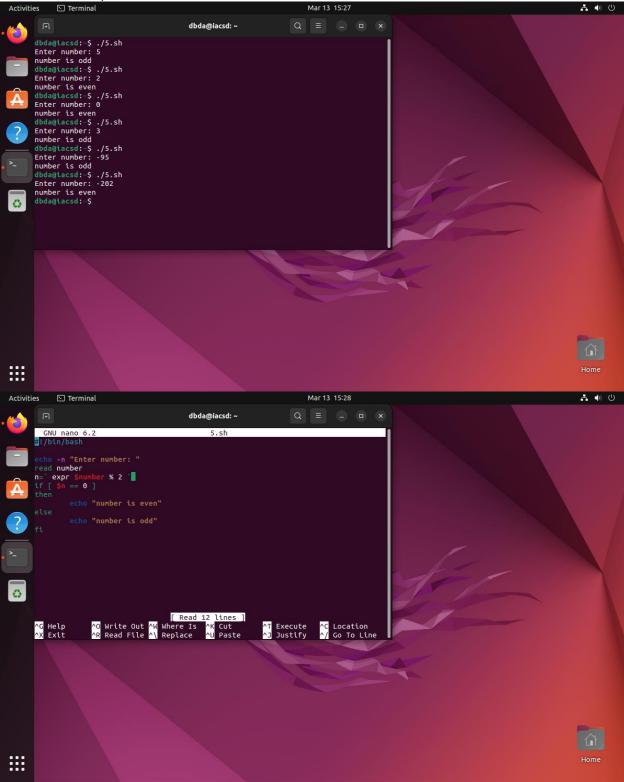
3. Write a Shell Script to check whether a number is negative, positive or zero. Terminal Mar 13 14:52 **♣** ♦ ∪ dbda@iacsd: ~ dbda@tacsd: \$./3.sh Enter number: -96 number is negative dbda@tacsd: \$./3.sh Enter number: 0 number is zero dbda@tacsd: \$./3.sh Enter number: 1546 number is positive dbda@tacsd: \$ ٥ **:::** Activities 🕒 Terminal dbda@iacsd: ~ GNU nano 6.2 #!/bin/bash 3.sh echo -n "Enter number: " read number if [**\$number** -gt **0**] echo "number is positive"
elif [\$number == 0]
then echo "number is zero" echo "number is negative" [Read 14 lines] ^O Write Out ^W Where Is ^K Cut ^R Read File ^\ Replace ^U Paste ^C Location ^/ Go To Line ^G Help ^X Exit ^T Execute ^J Justify

:::

4. Write a Shell Script to check whether a number is divisible by 5 and 11 or not.



5. Write a Shell Script to check whether a number is even or odd.



6. Write a Shell Script to check whether a year is leap year or not. **♣** ♦ ∪ dbda@iacsd: ~ Q = - - × GNU nano 6.2 #!/bin/bash 6.sh echo -n "Enter year: "
read year
n=' expr Syear % 4 '
n=' expr Syear % 100 '
z=' expr Syear % 400 '
tf [[sn -eq 0]] && [[\$m -ne 0]] || [\$z -eq 0]
then echo "year is not leap year" 0 [Wrote 14 lines]

O Write Out ^W Where Is ^K Cut

R Read File ^\ Replace ^U Paste ^C Location ^/ Go To Line ^G Help ^X Exit ^T Execute ^J Justify **:::** Activities 🕒 Terminal **→** • • • dbda@iacsd: ~ dbda@tacsd: \$./6.sh Enter year: 2024 year is leap year dbda@tacsd: \$./6.sh Enter year: 2005 year is not leap year dbda@tacsd: \$./6.sh Enter year: 2000 year is leap year dbda@tacsd: \$./6.sh Enter year: 1996 year is leap year dbda@tacsd: \$./6.sh Enter year: 1996 ?

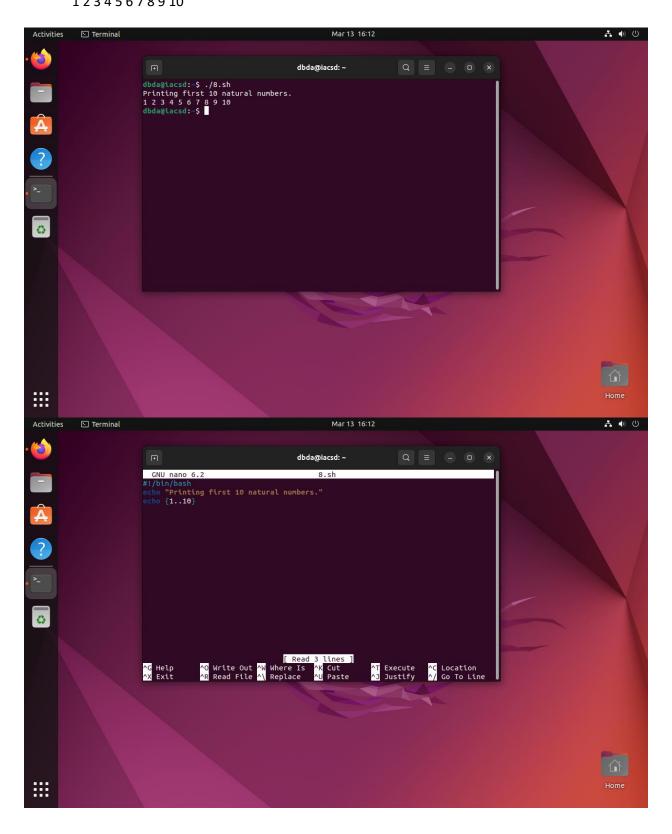
:::

7. Write shell script to check eligibility of candidate for voter id card

Activities Terminal Mar 13 16:09 **♣** ♦ ∪ dbda@iacsd: ~ 0 **:::** Q = _ _ × dbda@iacsd: ~ GNU nano 6.2 #!/bin/bash ? echo -n "Enter age: "
read age
if [\$age -lt 0]
then echo "invalid age. please enter age in non negative number" elif [Sage -ge 18] then echo "eligible for voting" Read 14 lines]
^O Write Out ^W Where Is ^K Cut
^R Read File ^\ Replace ^U Paste ^T Execute ^J Justify ^C Location ^/ Go To Line ^G Help ^X Exit

:::

8. Shell Script to display the first 10 natural numbers. Expected Output: 1 2 3 4 5 6 7 8 9 10



9. Shell Script to compute the sum of the first 10 natural numbers.

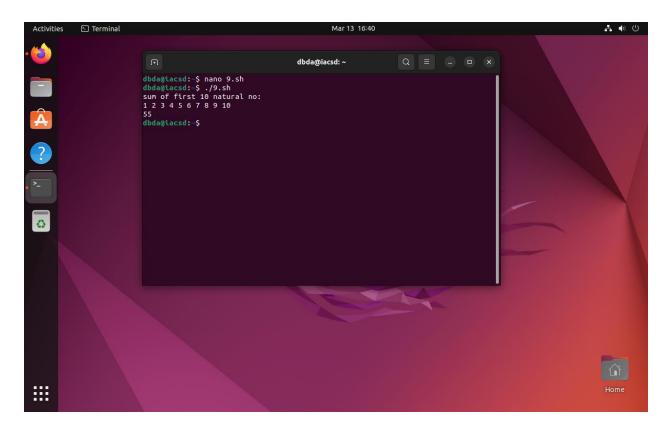
Expected Output:

The first 10 natural number is:

12345678910

The Sum is: 55





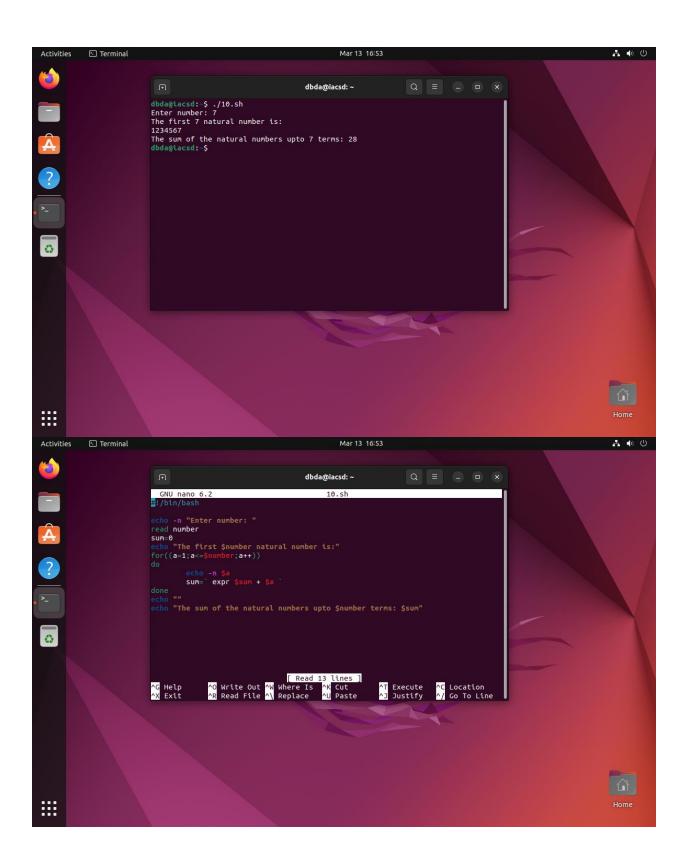
10. Shell Script to display n terms of natural numbers and their sum.

Test Data: 7
Expected Output:

The first 7 natural number is:

1234567

The Sum of Natural Number upto 7 terms: 28



11. Shell Script to read 10 numbers from the keyboard and find their sum and average.

Test Data:

Input the 10 numbers:

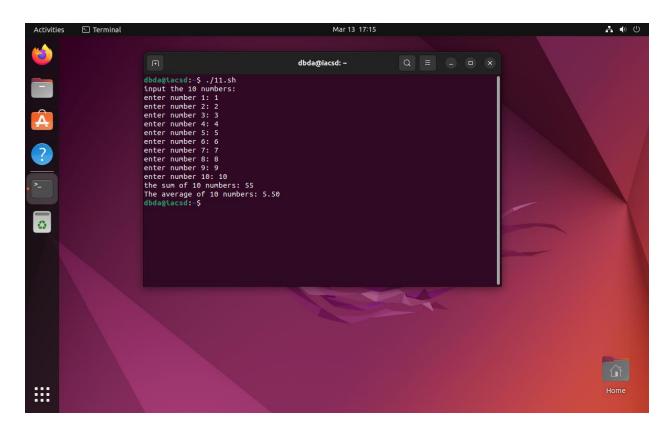
Number-1:2

...

Number-10 :2 Expected Output : The sum of 10 no is : 55

The Average is: 5.500000





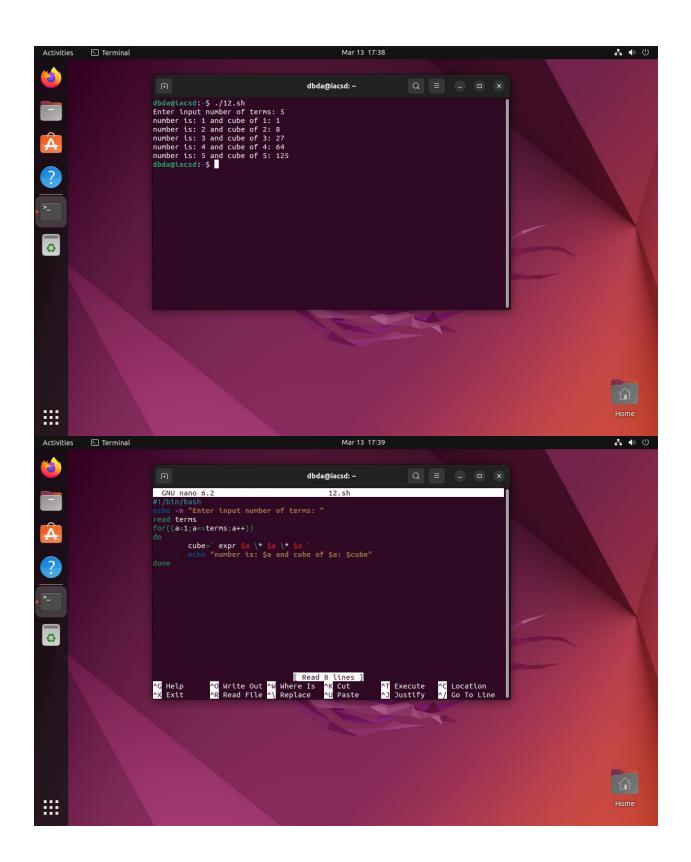
12. Shell Script to display the cube of the number up to an integer.

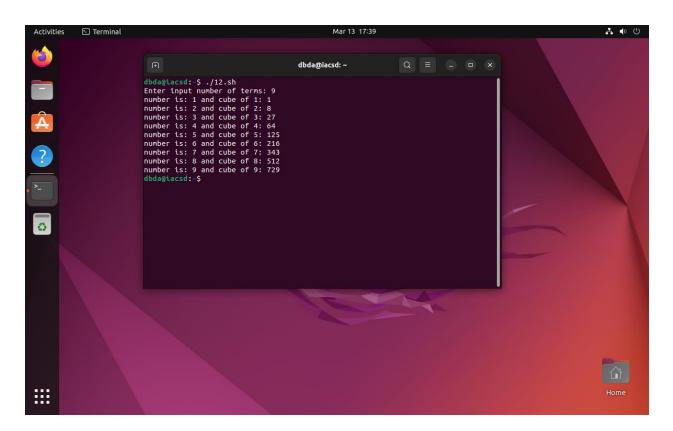
Test Data:

Input number of terms: 5

Expected Output:

Number is: 1 and cube of the 1 is:1 Number is: 2 and cube of the 2 is:8 Number is: 3 and cube of the 3 is:27 Number is: 4 and cube of the 4 is:64 Number is: 5 and cube of the 5 is:125





13. Shell Script to display the multiplication table for a given integer.

Test Data:

Input the number (Table to be calculated): 15

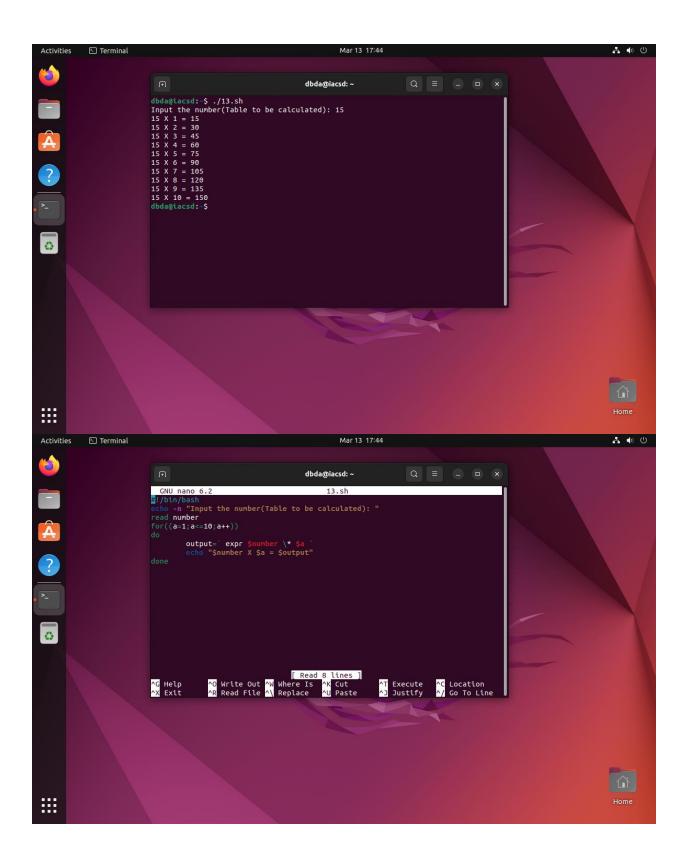
Expected Output:

15 X 1 = 15

•••

...

15 X 10 = 150



14. Shell Script to display the multiplier table vertically from 1 to n.

Test Data:

Input upto the table number starting from 1:8

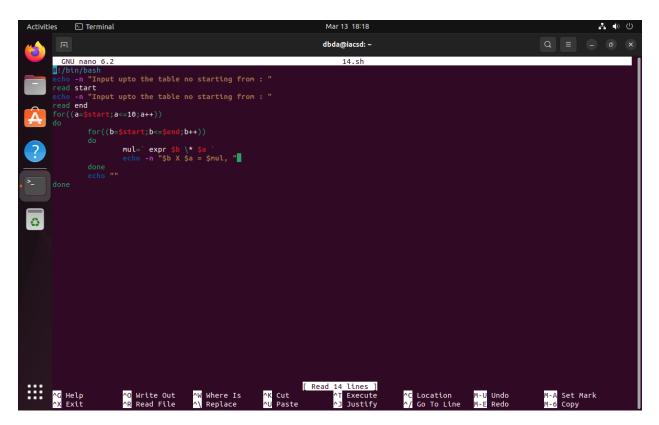
Expected Output:

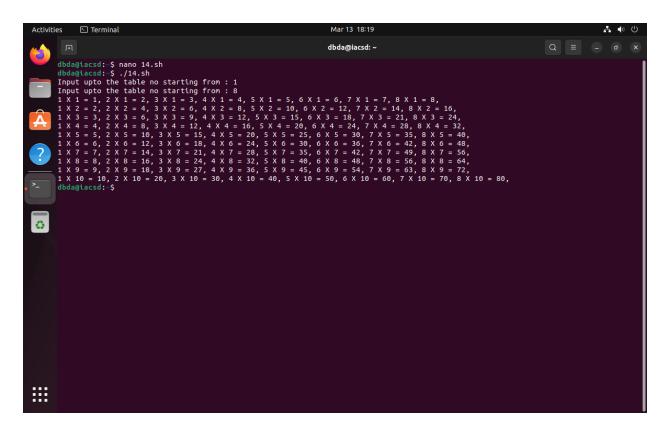
Multiplication table from 1 to 8

1x1 = 1, 2x1 = 2, 3x1 = 3, 4x1 = 4, 5x1 = 5, 6x1 = 6, 7x1 = 7, 8x1 = 8

...

1x10 = 10, 2x10 = 20, 3x10 = 30, 4x10 = 40, 5x10 = 50, 6x10 = 60, 7x10 = 70, 8x10 = 80





15. Shell Script to display the n terms of odd natural numbers and their sum.

Test Data

Input number of terms: 10

Expected Output:

The odd numbers are :1 3 5 7 9 11 13 15 17 19 The Sum of odd Natural Number upto 10 terms : 100

