**Practice 10**

**Read three numbers ( a,b,c ) from the user and store then into three variables. Find the LCM from the first two numbers(a,b) and the GCM for the second two numbers(b,c)**

**Code :**

echo "Enter a: "

read a

echo "Enter b: "

read b

echo "Enter c: "

read c

x=$a

y=$b

while [ $y -ne 0 ]; do

temp=$y

y=$((x % y))

x=$temp

done

gcd\_ab=$x

lcm\_ab=$(( (a \* b) / gcd\_ab ))

x=$b

y=$c

while [ $y -ne 0 ]; do

temp=$y

y=$((x % y))

x=$temp

done

gcd\_bc=$x

echo "LCM of $a and $b is: $lcm\_ab"

echo "GCD of $b and $c is: $gcd\_bc"

**output**

Enter a:

6

Enter b:

3

Enter c:

8

LCM of 6 and 3 is: 6

GCD of 3 and 8 is: 1