**7.LCM**

**RECURSIVE:-**

#include<stdio.h>

int find\_lcm(int, int);

int main()

{

int a, b, lcm;

printf("\n\nEnter 2 integers to find LCM of:\n");

scanf("%d%d", &a, &b);

lcm = find\_lcm(a,b); // function call

printf("\n\n LCM of %d and %d is: %d\n\n", a, b, lcm);

printf("\n\n\t\t\tCoding is Fun !\n\n\n");

return 0;

}

int find\_lcm(int a, int b) // function definition

{

/\*

static variable is initialized only once

for each function call

\*/

static int temp = 1;

if(temp%a == 0 && temp%b == 0)

{

return temp;

}

else

{

temp++;

find\_lcm(a,b);

return temp;

}

}

