```
1) Solve tower of hanoi
                                                                   00P
   #include <stdio.h>
      void towers (int, char, char, char);
       int mainc)
         int num ;
        printf ("Enter the number of disks : ");
         scanf (" 1.d ", & nom);
        printf ("The sequence of moves involved in the tower of Hansi
                  are: \n'1);
         towers (nom, 'A', 'C', 'B');
         return 0;
       void towers (int num, char from peg, char topeg, char auxpeg)
       t if (nom == 1)
          ? printf ("In Move disk 1 from peg ". c to peg ".c", from peg, topeg);
          towers (nom-1, trompeg, auxpeg, topeg);
          printf ("In move disk 1.d from peg 1.c to peg 1.c", num, trompeg, toppeg
          tower s(nom-1, auxpeg, topeg, trompeg).
```

output:

Plan

2). SCD

```
# include (stdio.h)

int gcd (int, int);

int main ()

8 int n1, n2, now;

printf ("Enter two positive integer:");

scanf (" x.d x.d", 4n1, 4n2);

printf ("G.C.D of 1/d and 1/d is 1/d.", n1, n2, g cd (n1, n2)).

return o;

system ("pause");

int gcd (int n1, int n2)

i f (n2 != 0)

return gcd (n2, n1 x.n2);

else

return n1;
```

output:

modification: tind LCM wing GCD

int LCM (int n1, int n2)

E ans = n1 + n2;

ans = ansigcd (n1, n2);

return ans;

3.