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X tower of hanoi & gcd.c X
    #include <stdio.h>
   void TowerOfHanoi (int n, char src, char dst, char aux) (
        if(n>0){
           TowerOfHanoi(n-1, src, aux, dst);
           printf("move disk %d from peg %c to peg %c \n", n,src,dst);
             TowerOfHanoi (n-1, aux, dst, src) ;
        }
  ⊟int gcd(int n1, int n2) (
        if (n2 != 0)
            return gcd(n2, n1 % n2);
        else
            return n1;

☐int main() (
        int n1, n2;
        printf("Enter two numbers: ");
        scanf ("%d %d", &n1, &n2);
        printf("G.C.D of %d and %d is %d.", n1, n2, gcd(n1, n2));
        int n;
        printf("\n Enter no. of disks:");
        scanf ("%d", &n);
        TowerOfHanoi(n, 'a', 'b', 'c');
        return 0;
```

ers

```
"C:\web developement(html.css.js)\tower of hanoi & gcd.exe"
Enter two numbers: 10 20
G.C.D of 10 and 20 is 10.
Enter no. of disks:5
move disk 1 from peg a to peg b
move disk 2 from peg a to peg c
move disk 1 from peg b to peg c
move disk 3 from peg a to peg b
move disk 1 from peg c to peg a
move disk 2 from peg c to peg b
move disk 1 from peg a to peg b
move disk 4 from peg a to peg c
move disk 1 from peg b to peg c
move disk 2 from peg b to peg a
move disk 1 from peg c to peg a
move disk 3 from peg b to peg c
move disk 1 from peg a to peg b
move disk 2 from peg a to peg c
move disk 1 from peg b to peg c
move disk 5 from peg a to peg b
move disk 1 from peg c to peg a
move disk 2 from peg c to peg b
move disk 1 from peg a to peg b
move disk 3 from peg c to peg a
move disk 1 from peg b to peg c
move disk 2 from peg b to peg a
move disk 1 from peg c to peg a
move disk 4 from peg c to peg b
move disk 1 from peg a to peg b
move disk 2 from peg a to peg c
move disk 1 from peg b to peg c
move disk 3 from peg a to peg b
move disk 1 from peg c to peg a
move disk 2 from peg c to peg b
move disk 1 from peg a to peg b
Process returned 0 (0x0)
                          execution time : 36.763 s
Press any key to continue.
```