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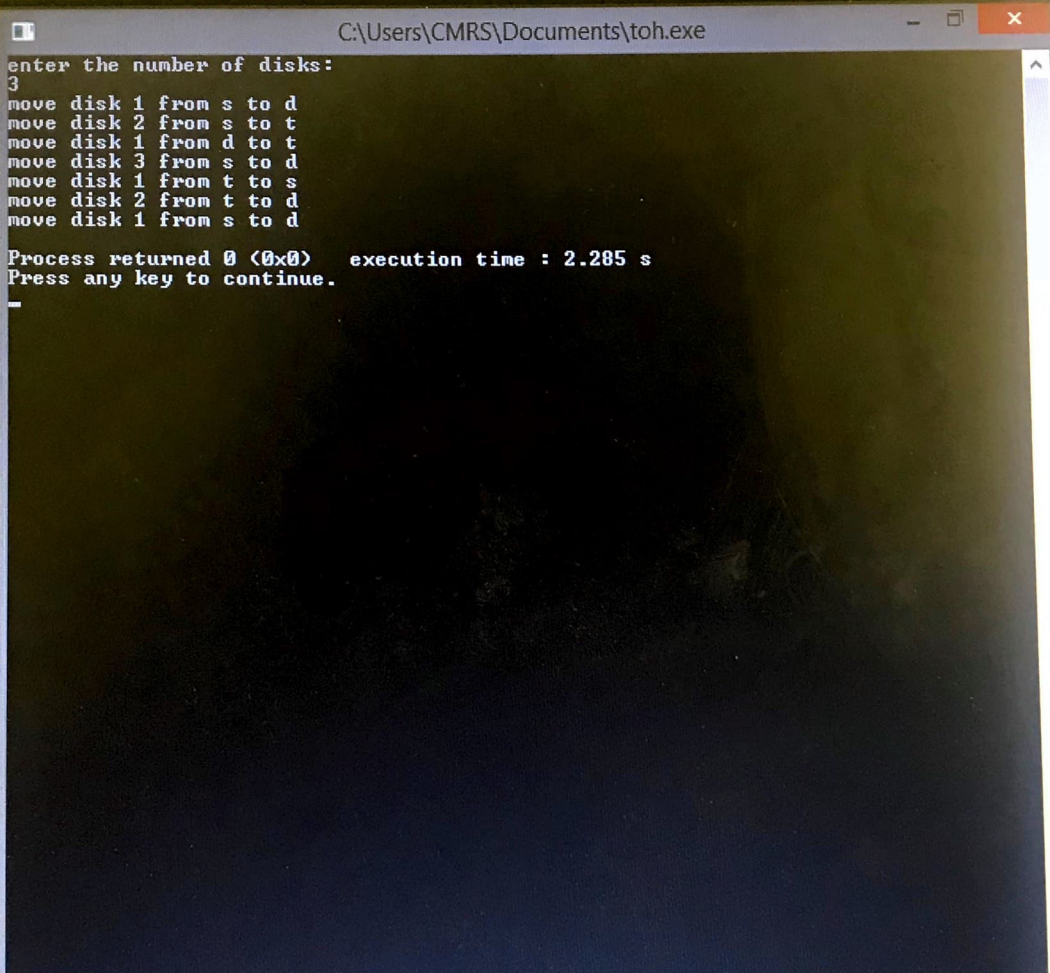
toh.c | fib.c | gcd.c | recursive_linear_search.c | recursive_binary_search.c | *bubble_sort.c | selection_sort.c

```c
#include<stdio.h>
#include<conio.h>
void towers(int n,char src,char temp,char dest)
{
if(n==1)
{
printf("move disk 1 from %c to %c \n",src,dest);
return;
}
towers(n-1,src,dest,temp);
printf("move disk %d from %c to %c \n",n,src,dest);
towers(n-1,temp,src,dest);
}
main()
{
int n;
printf("enter the number of disks:\n");
scanf("%d",&n);
towers(n,'s','t','d');
}
```


C:\Users\CMRS\Documents\toh.exe
enter the number of disks:
3
move disk 1 from s to d
move disk 2 from s to t
move disk 1 from d to t
move disk 3 from s to d
move disk 1 from t to s
move disk 2 from t to d
move disk 1 from s to d
Process returned 0 (0x0)   execution time : 2.285 s
Press any key to continue.

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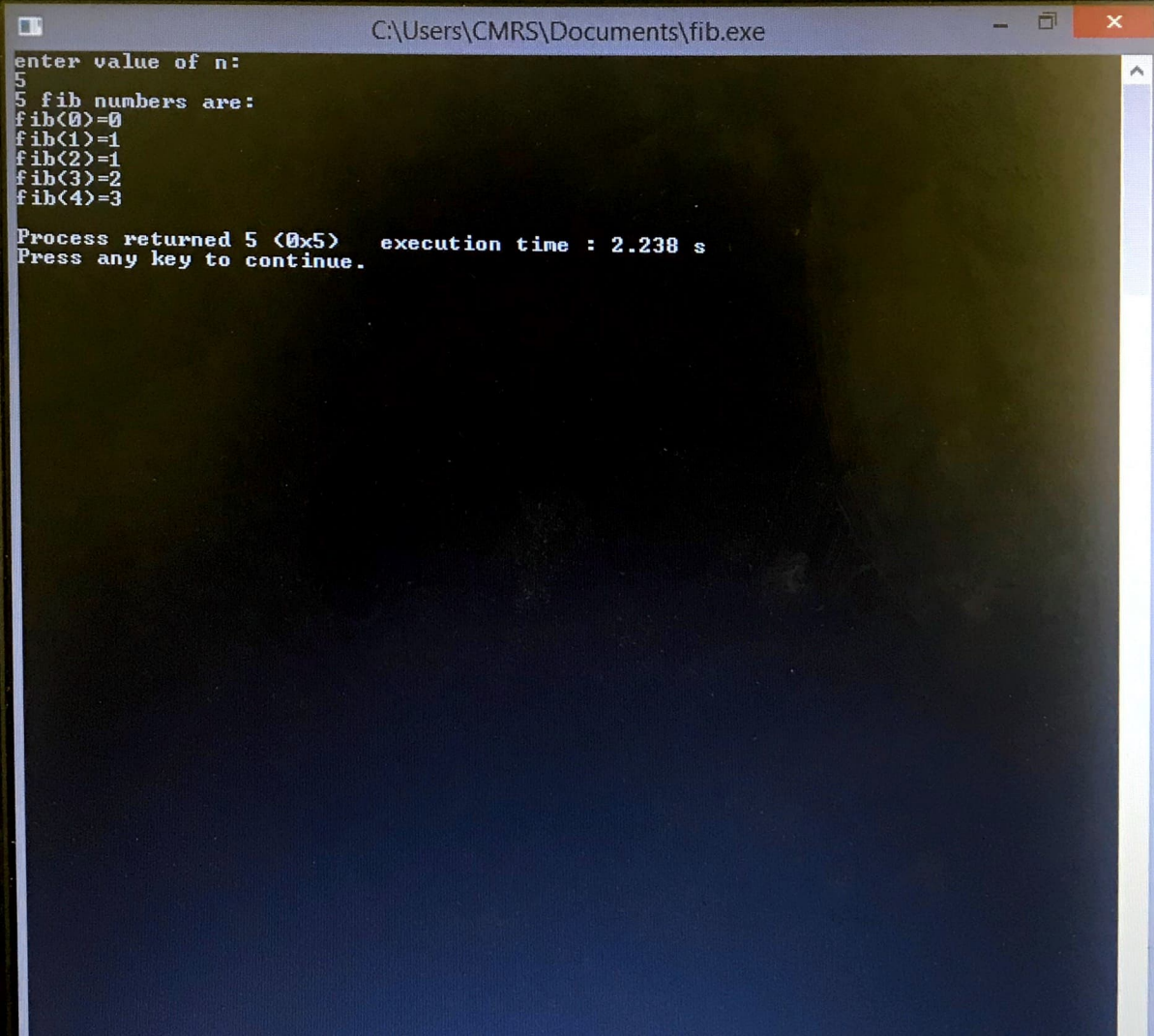
toh.c | *fib.c | gcd.c | recursive_linear_search.c | recursive_binary_search.c | *bubble_sort.c | selection_sort.c

```c
# include<stdio.h>
int fib(int n)
{
    if(n==0)
    return 0;
    if(n==1)
        return 1;
    return fib(n-1)+fib(n-2);
}
void main()
{
    int i,n;
    printf("enter value of n:\n");
    scanf("%d",&n);
    printf("%d fib numbers are:\n",n);
    for(i=0;i<n;i++)
    printf("fib(%d)=%d \n",i,fib(i));
}

```


C:\Users\CMRS\Documents\fib.exe
enter value of n:
5
5 fib numbers are:
fib(0)=0
fib(1)=1
fib(2)=1
fib(3)=2
fib(4)=3
Process returned 5 (0x5) execution time : 2.238 s
Press any key to continue.

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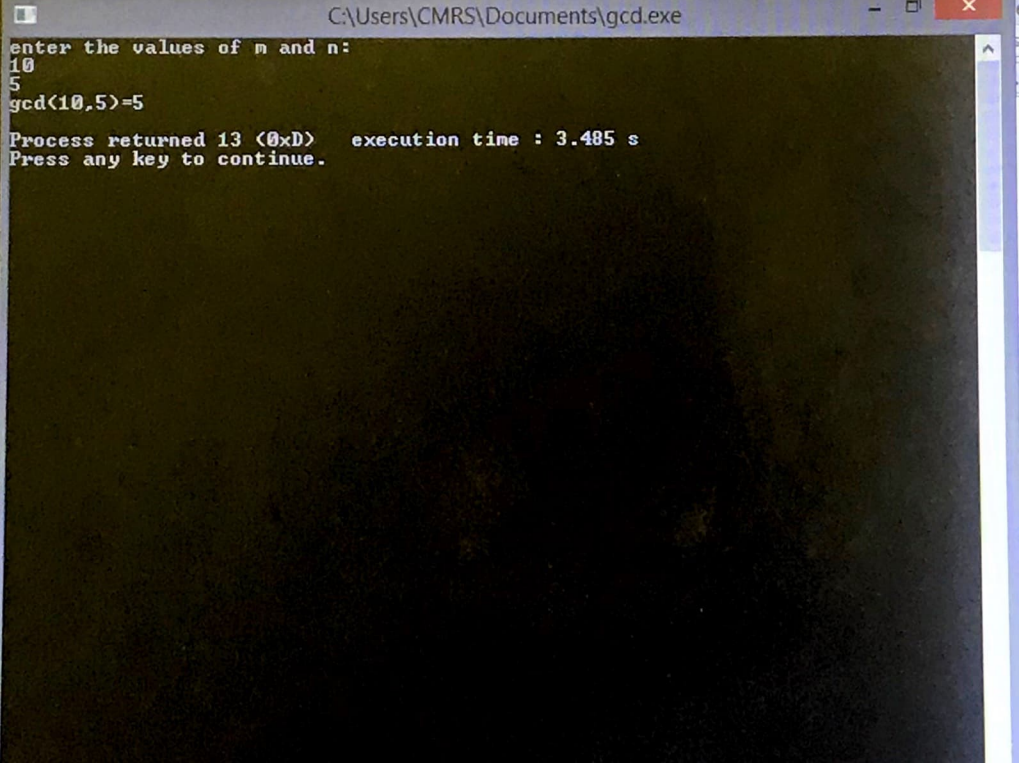
toh.c | fib.c | gcd.c | recursive_linear_search.c | recursive_binary_search.c | *bubble_sort.c | selection_sort.c

```c
#include<stdio.h>
int gcd(int m,int n)
{
if(n==0)
return m;
if(m<n)
return gcd(m,n);
return gcd(n,m%n);
}
void main()
{
int m,n,res;
printf("enter the values of m and n:\n");
scanf("%d %d",&m,&n);
res=gcd(m,n);
printf("gcd(%d,%d)=%d \n",m,n,res);
}
```


C:\Users\CMRS\Documents\gcd.exe
enter the values of m and n:
10
5
gcd(10,5)=5
Process returned 13 (0xD)   execution time : 3.485 s
Press any key to continue.