```
← TowerOfHanoi.c ← Saved
```

```
#include<stdio.h>
  void tower(int n,int src,int temp,int dest)
  {
    if (n==1)
    {
       printf("Move disk 1 from %c to %c", src, dest);
       return;
    tower(n-1,src,dest,temp);
    printf("\nMove disk %d from %c to %c\n",n,src,dest);
    tower(n-1,temp,src,dest);
12}
13 void main()
14 {
    int n;
    printf("Enter the Number of Disks:");
scanf("%d",&n);
    tower(n, 'S', 'T', 'D');
19}
```

× Terminal

```
Enter the Number of Disks:4
             from
     disk 1
                  S
Move
                     to
     disk 2 from
                  S
Move
                     to
     disk 1 from
                   Т
Move
                     to
Move
     disk 3 from
                  S
                     to
     disk 1 from
Move
                     to
     disk 2 from
                   D
Move
                     to
                  S
     disk 1 from
Move
                     to
                   S
           4 from
     disk
Move
                     to
     disk 1 from
                   Τ
Move
                     to
Move
     disk 2 from
                   T
                     to
     disk 1 from
Move
                     to
     disk 3 from
                        D
Move
                     to
          1 from
Move
     disk
                  S
                     to
Move
     disk 2 from
                  S
                     to
                  T
          1
             from
     disk
Move
                     to
Process finished.
```

```
GCD.c
         Saved
  #include <stdio.h>
  int gcd(int n1, int n2);
  void main() {
          printf("---Recursive GCD---\n");
          int n1, n2;
          printf("Enter two positive integers: ");
          scanf("%d %d", &n1, &n2);
          printf("GCD of %d and %d is %d.\n", n1, n2, gcd(n1, n2));
10 int gcd(int n1, int n2) {
      if (n2 != 0)
          return gcd(n2, n1 % n2);
      else
          return n1;
15 }
```

× Terminal

```
---Recursive GCD---
Enter two positive integers: 16 26
GCD of 16 and 26 is 2.
```

× Terminal

```
---Recursive GCD---
Enter two positive integers: 10 55
GCD of 10 and 55 is 5.
```