Experiment 5

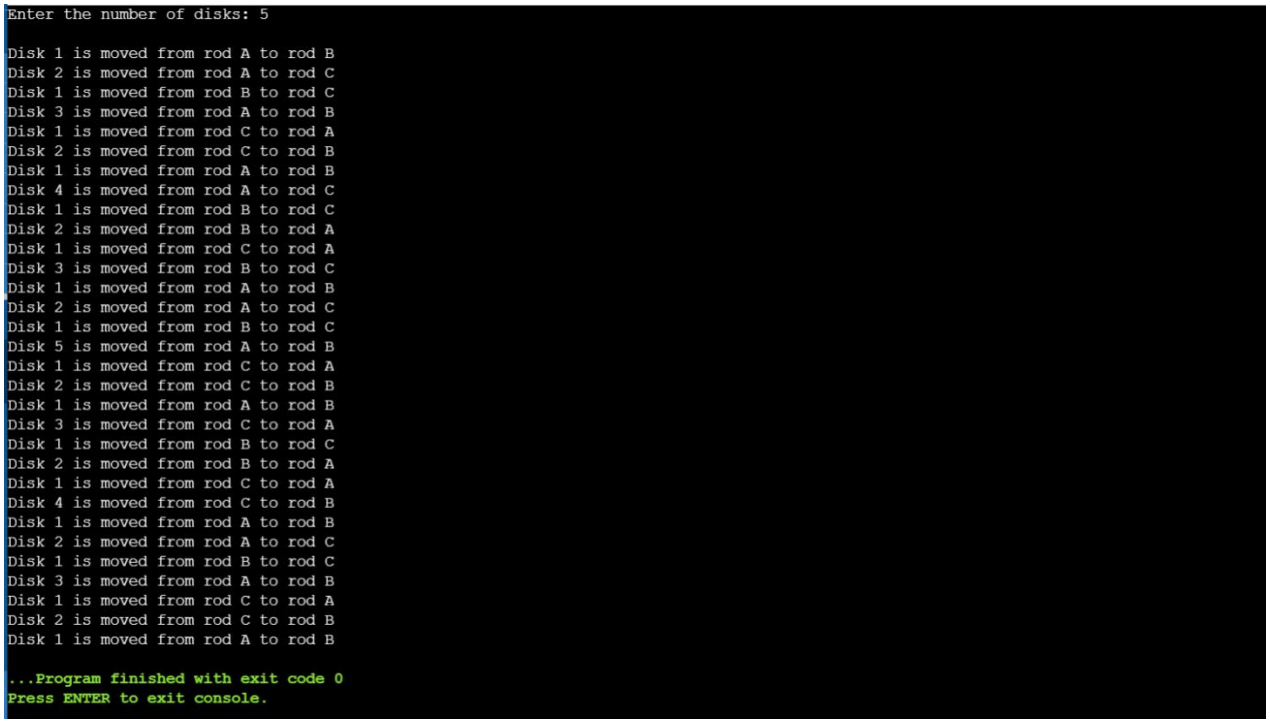
Objective: Implementation of Tower of Hanoi using Recursion

Code:

```
#include <stdio.h>

void tower(int n,char x,char y,char z);
int main()
{
   int n;
   printf("Enter the number of disks: ");
   scanf("%d",&n);
   tower(n,'A','B','C');
   return 0;
}
void tower(int n,char x,char y,char z)
{
   if (n==1)
   {
      printf("\nDisk 1 is moved from rod %c to rod %c",x,y);
      return;
   }
   tower(n-1,x,z,y);
   printf("\nDisk %d is moved from rod %c to rod %c",n,x,y);
   tower(n-1,z,y,x);
}
```

Output:



Submitted by: Gelle Hruthesh Reddy(20BCB7031)