```c
#include<stdio.h>
#include<conio.h>
#include<math.h>

void tower(int n, int source, int temp,int destination)
{
  if(n == 0)
       return;
  tower(n-1, source, destination, temp);
  printf("\nMove disc %d from %c to %c", n, source, destination);
  tower(n-1, temp, source, destination);
}

void main()
{
  int n;
  clrscr();
  printf("\nEnter the number of discs: \n");
  scanf("%d", &n);
  tower(n, 'A', 'B', 'C');
  printf("\n\nTotal Number of moves are: %d", (int)pow(2,n)-1);
  getch();
}
```