```c
#include<stdio.h>
void rec_toh(int i, int a,int b,int c)
{
if (i==1)
{
printf("\n Move disk 1 from %d to %d", a, c);
return;
}
rec_toh(i-1, a,c,b);
printf("\n Move disk %d from %d to %d", i, a,c);
rec_toh(i-1, b,a,c);
}
int main()
{
int n;
printf("\nEnter number of disks:");
scanf("%d",&n);
rec_toh(n, 1,2,3);
return 0;
}
```

```
Move disk 1 from 2 to 1
Move disk 2 from 2 to 3
Move disk 1 from 1 to 3
Move disk 4 from 1 to 2
Move disk 1 from 3 to 2
Move disk 2 from 3 to 1
Move disk 1 from 2 to 1
Move disk 3 from 3 to 2
Move disk 1 from 1 to 3
Move disk 2 from 1 to 2
Move disk 1 from 3 to 2
Move disk 5 from 1 to 3
Move disk 1 from 2 to 1
Move disk 2 from 2 to 3
Move disk 1 from 1 to 3
Move disk 3 from 2 to 1
Move disk 1 from 3 to 2
Move disk 2 from 3 to 1
Move disk 1 from 2 to 1
Move disk 4 from 2 to 3
Move disk 1 from 1 to 3
Move disk 2 from 1 to 2
Move disk 1 from 3 to 2
Move disk 3 from 1 to 3
Move disk 1 from 2 to 1
Move disk 2 from 2 to 3
Move disk 1 from 1 to 3
Process returned 0 (0x0)   execution time : 19.583 s
Press any key to continue.
```