```c
1   #include <stdio.h>
2   void TOH(int n, int a,int b,int c)
3   {
4       if (n ==1)
5       {
6           printf("\n Move disk 1 from %d to  %d", a, c);
7           return;
8       }
9       TOH(n-1, a,c,b);
10      printf("\n Move disk %d from  %d to  %d", n, a,c);
11      TOH(n-1, b,a,c);
12  }
13
14  int main()
15  {
16      int n = 3;
17      TOH(n, 1,2,3);
18      return 0;
19
20  }
```

```
ve disk 1 from 1 to  3
ve disk 2 from  1 to  2
ve disk 1 from 3 to  2
ve disk 3 from  1 to  3
ove disk 1 from 2 to  1
ove disk 2 from  2 to  3
ove disk 1 from 1 to  3

...Program finished with exit co
ress ENTER to exit console.
```

* Write a recursive program to solve towers of Hanoi problem.

```c
#include <stdio.h>
void TOH (int n, int a, int b, int c)
{
  if (n == 1)
  {
    printf("\n Move disk1 from %d to %d", a, c);
    return;
  }
  TOH (n-1, a, c, b);
  printf("\n Move disk %d from %d to %d", n, a, c);
  TOH (n-1, b, a, c);
}
int main()
{
  int n = 3;
  TOH (n, 1, 2, 3);
  return 0;
}
```