

PRACTICE PROGRAM - Tower of Hanoi

```

1 // #include <stdio.h>
2 #include <stdio.h>
3 void tower (int n, char src, char temp, char dest);
4 int main ()
5 {
6     int num;
7     printf ("Enter the number of discs (n): ");
8     scanf ("%d", &num);
9     tower (num, 'A', 'B', 'C');
10    return 0;
11 }
12 void tower (int n, char src, char temp, char dest)
13 {
14     if (n == 1)
15     {
16         printf ("move %d disc from %c to %c\n", n, src, dest);
17     }
18     else
19     {
20         tower (n-1, src, dest, temp);
21         printf ("move %d disc from %c to %c\n", n, src, dest);
22         tower (n-1, temp, src, dest);
23     }
24 }

```