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main.c
 1
     #include <stdio.h>
 2
 3
     void towers(int, char, char, char);
 4
 5
     int main()
 6
 7
         int num;
 8
         printf("Enter the number of disks : ");
 9
10
         scanf("%d", &num);
11
         printf("The sequence of moves involved in the Tower of Hanoi are :\n");
         towers(num, 'A', 'C', 'B');
12
         return 0;
13
14
     void towers(int num, char a, char b, char c)
15
16
17
         if (num == 1)
18
19
             printf("\n Move disk 1 from peg %c to peg %c", a, b);
20
             return;
21
         towers(num -1, a, b, c);
22
         printf("\n Move disk %d from peg %c to peg %c", num,a, b);
23
24
         towers(num -1, c, b, a);
25
     }
```

```
Console
             Shell
clang-7 -pthread -lm -o main main.c
                                                                                 Q x
./main
Enter the number of disks: 4
The sequence of moves involved in the Tower of Hanoi are :
Move disk 1 from peg A to peg C
Move disk 2 from peg A to peg C
Move disk 1 from peg B to peg C
Move disk 3 from peg A to peg C
Move disk 1 from peg B to peg C
Move disk 2 from peg B to peg C
Move disk 1 from peg A to peg C
Move disk 4 from peg A to peg C
Move disk 1 from peg B to peg C
Move disk 2 from peg B to peg C
Move disk 1 from peg A to peg C
Move disk 3 from peg B to peg C
Move disk 1 from peg A to peg C
Move disk 2 from peg A to peg C
Move disk 1 from peg B to peg C▶ [
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of Silare