

```
toh.cpp
1 #include <iostream>
2
3 void moveDisk(int disk, char from, char to)
4 {
5     Move disk 1 from rod S to rod D
6     Move disk 2 from rod S to rod T
7     Move disk 1 from rod D to rod T
8     Move disk 3 from rod S to rod D
9     Move disk 1 from rod T to rod S
10    Move disk 2 from rod T to rod D
11    Move disk 1 from rod S to rod D
12    -----
13    Process exited after 3.873 seconds with return value 0
14    Press any key to continue . . .
15
16 int main()
17 {
18
19
20
21
22 }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sohan\Desktop\C Programs\Data Structures Lab\real tower of hanoi\toh.exe
- Output Size: 129.30859375 KiB
- Compilation Time: 0.64s

```
toh.cpp
1  #include <stdio.h>
2
3  void towerOfHanoi(int n, char src, char final, char temp)
4  {
5      if (n == 1)
6      {
7          printf("\n Move disk 1 from rod %c to rod %c", src, final);
8          return;
9      }
10     towerOfHanoi(n-1, src, temp, final);
11     printf("\n Move disk %d from rod %c to rod %c", n, src, final);
12     towerOfHanoi(n-1, temp, final, src);
13 }
14
15 int main()
16 {
17     int n;
18     printf("Enter the number of disks\n");
19     scanf("%d", &n);
20     towerOfHanoi(n, 'S', 'D', 'T');
21     return 0;
22 }
```

Abort Compilation

☐ Shorten compiler paths

Compilation results...

```
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