

# JAVA EXAMPLES - SOLVING TOWER OF HANOI

[http://www.tutorialspoint.com/javaexamples/method\\_tower.htm](http://www.tutorialspoint.com/javaexamples/method_tower.htm)

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## Problem Description:

How to use method for solving Tower of Hanoi problem?

## Solution:

This example displays the way of using method for solving Tower of Hanoi problem *for 3 disks*.

```
public class MainClass {
    public static void main(String[] args) {
        int nDisks = 3;
        doTowers(nDisks, 'A', 'B', 'C');
    }
    public static void doTowers(int topN, char from,
    char inter, char to) {
        if (topN == 1){
            System.out.println("Disk 1 from "
            + from + " to " + to);
        }else {
            doTowers(topN - 1, from, to, inter);
            System.out.println("Disk "
            + topN + " from " + from + " to " + to);
            doTowers(topN - 1, inter, from, to);
        }
    }
}
```

## Result:

The above code sample will produce the following result.

```
Disk 1 from A to C
Disk 2 from A to B
Disk 1 from C to B
Disk 3 from A to C
Disk 1 from B to A
Disk 2 from B to C
Disk 1 from A to C
```

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