

# RECURSION – LUCKY SEVENS

**Lab Description :** luckySevens will return a count of the 7s in the number unless there are two 7s side by side. In that case, 14 would be added to the sum instead of 2.

1087171 would return 2 as there are 2 7s

1077171 would return 15 as 2 7s side by side = 14 and the remaining 7 = 1 ( 14 + 1 = 15 )

77077 would return 28 ( 14 + 14 )

97171771707797 would return 32 ( 1 + 1 + 14 + 1 + 14 + 1 )

1089651234 would return 0

The solution to this problem must use recursion!

**Files Needed ::**  
**Lucky.java**  
**(add your own**  
**tester)**

## **Sample Data :**

1087171

1077171

77077

97171771707797L (the L is necessary to avoid an "out of range" error)

1089651234

## **Sample Output :**

2

15

28

32

0