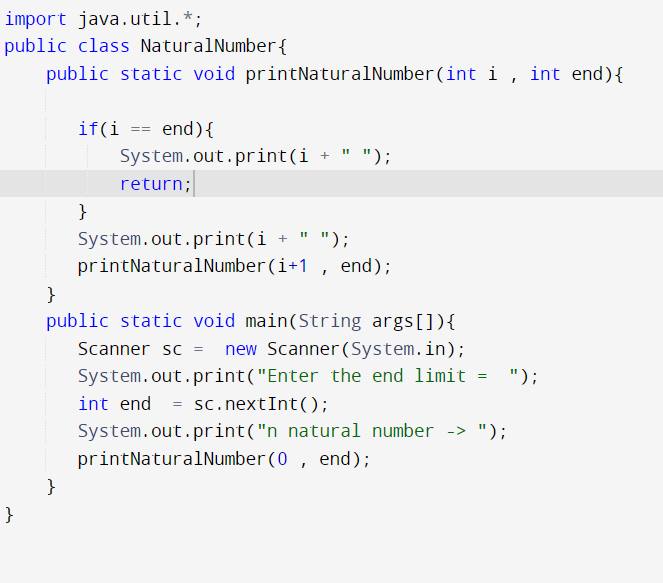
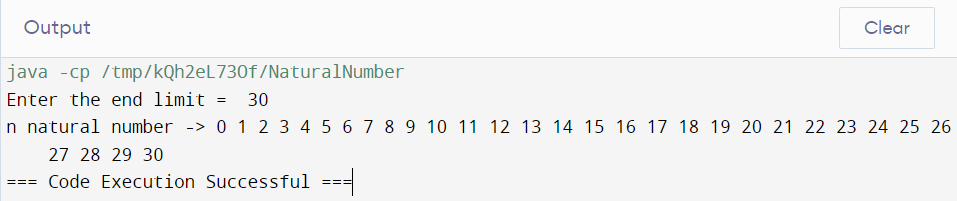
**Day 2 : Special Logic Building Assignment: 10 special Recursion Programs**

1. **Print 1 to n without using loops**

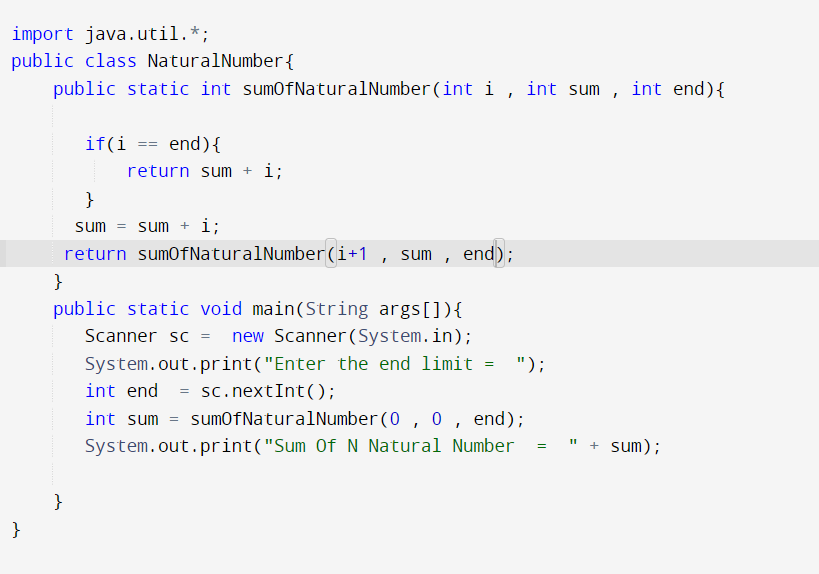
**Solution :**

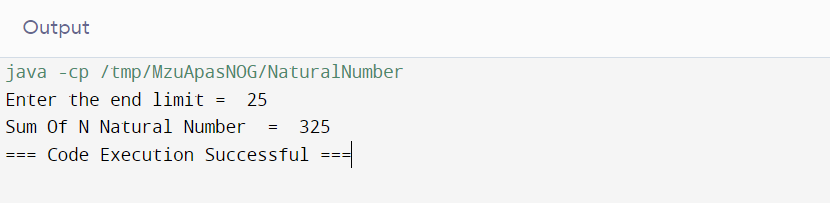
****

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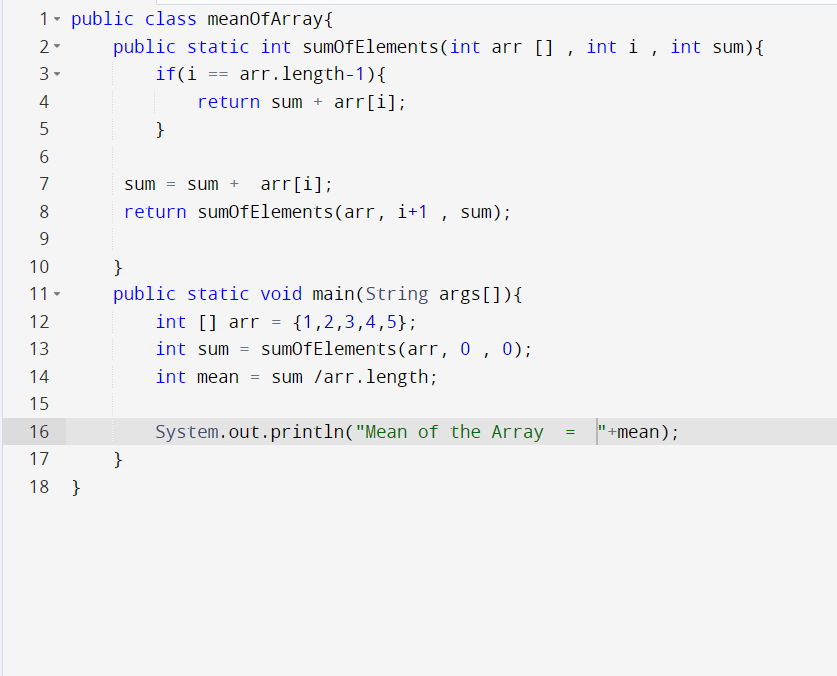
1. **Sum of natural numbers using recursion**

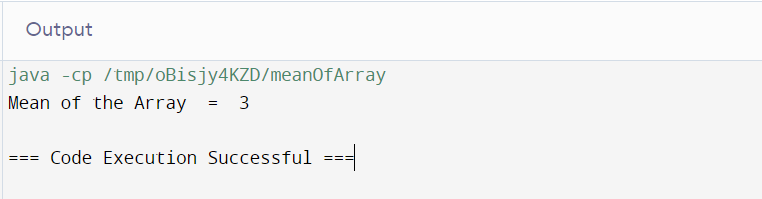
**Solution :**

****

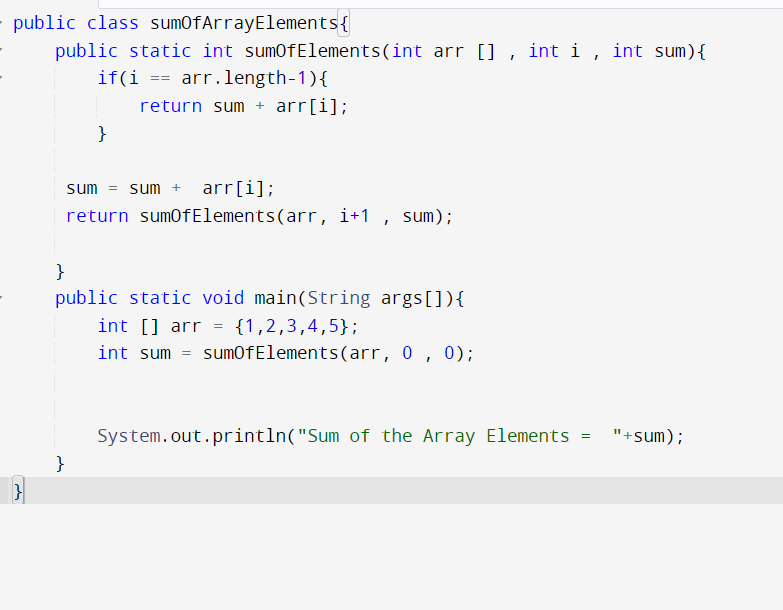
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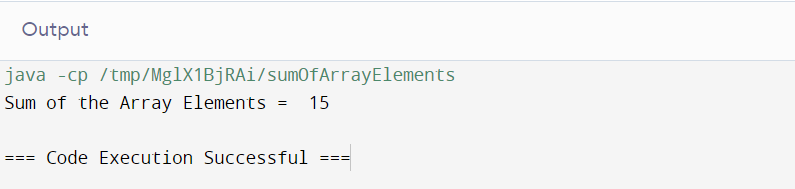
1. Mean of Array using Recursion

Solution : 



1. Sum of array elements using recursion



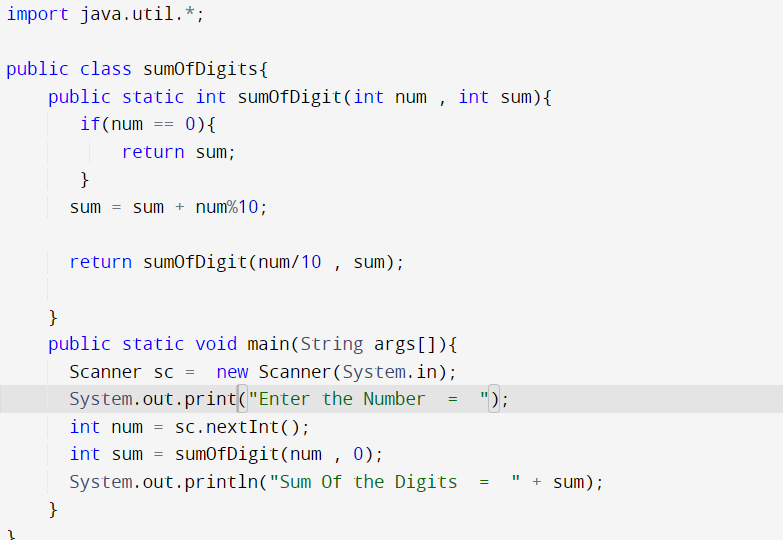


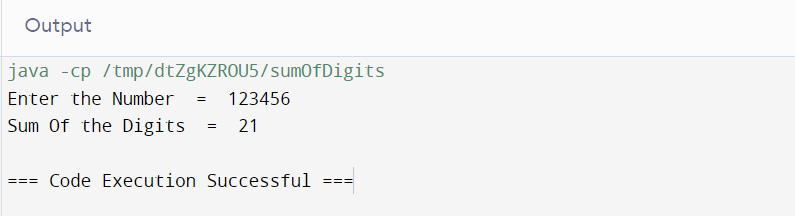
1. Decimal to binary number using recursion

Solution :

1. Sum of digit of a number using recursion

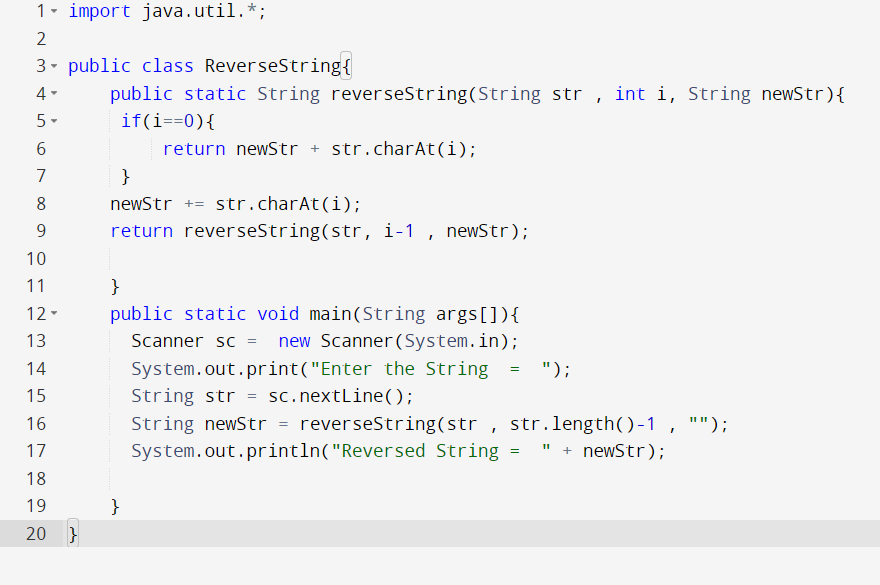
Solution :

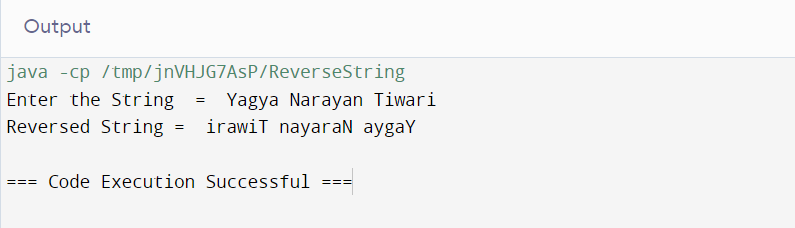




1. Print reverse of a string using recursion

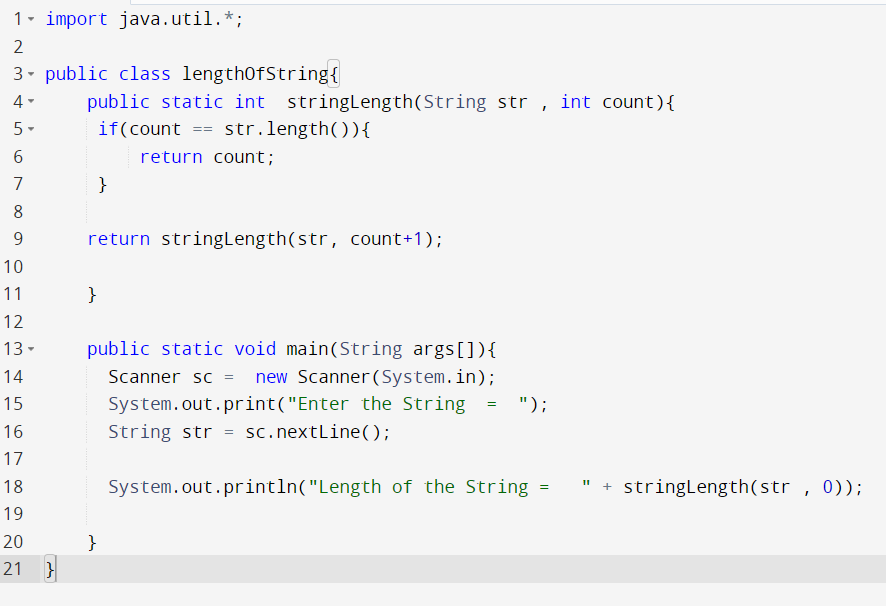
Solution :

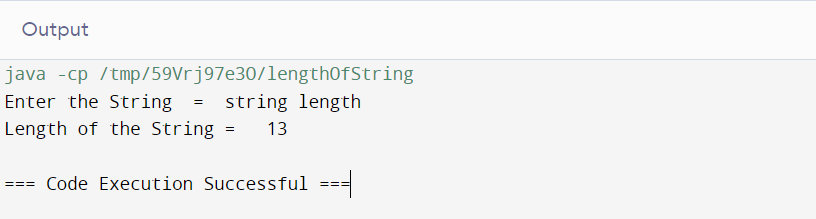




1. Program for length of a string using recursion

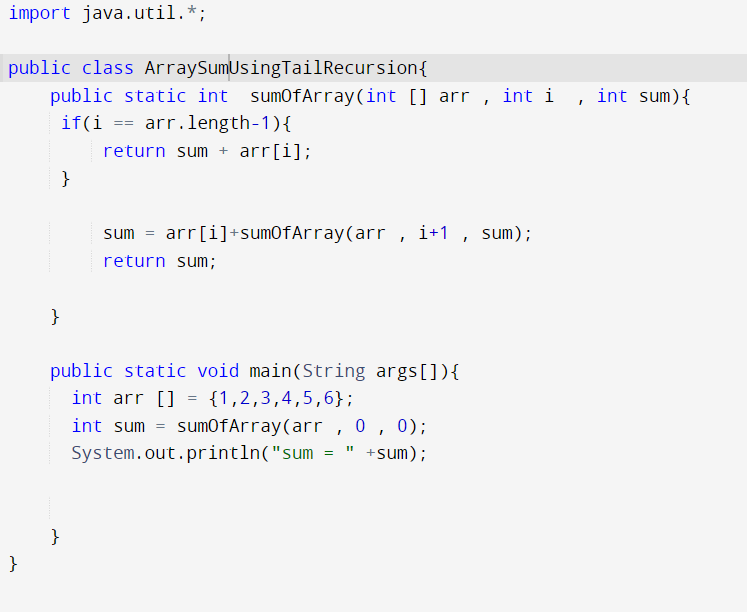
Solution :

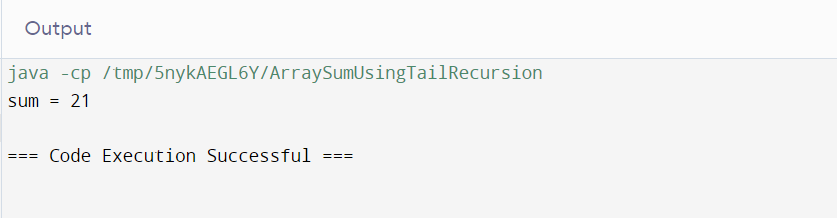




1. Tail recursion to calculate sum of array elements.

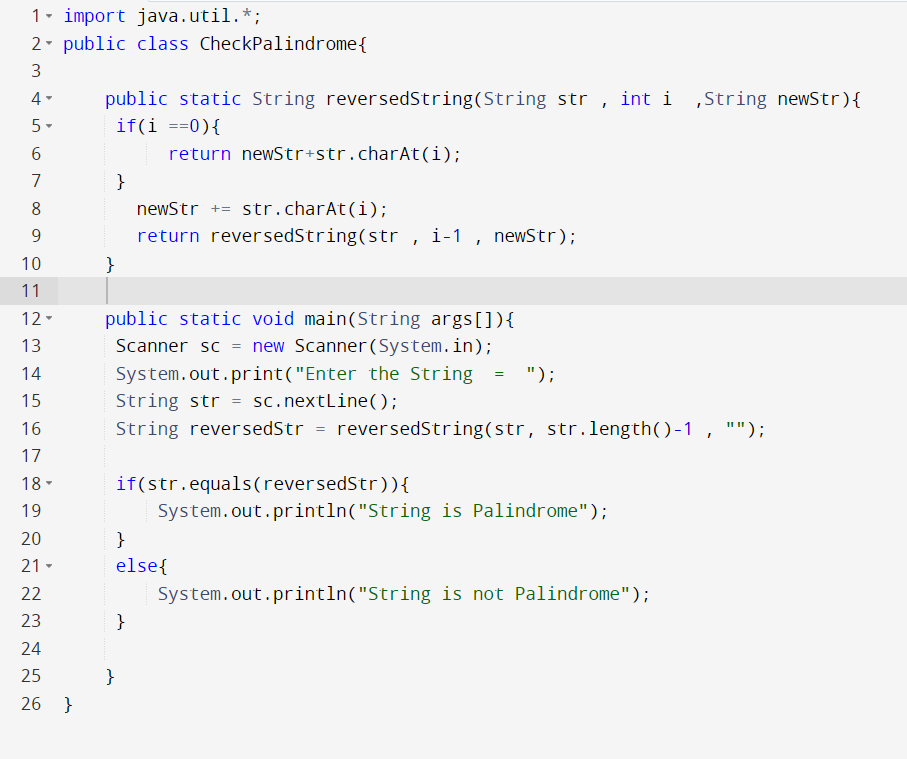
Solution :

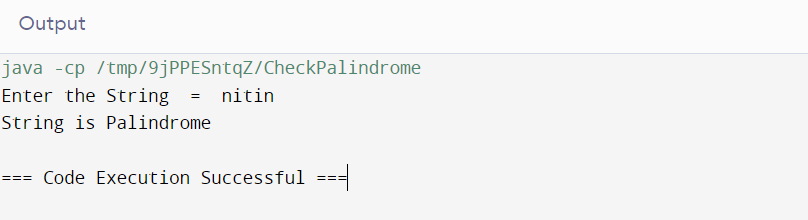
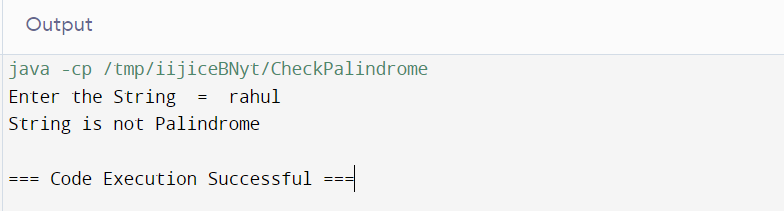




1. Recursive function to check if a string is palindrome

Solution :





1. Print Fibonacci Series in reverse order using Recursion

Solution : 