30 Days Leetcode Challenge - Day 4

public class leetday4

{

public static void main(String[] args)

{

int x = 153;

System.out.println(armstrongNumber(x) ? "YES" : "NO");

String s = "A man, a plan, a canal: Panama";

System.out.println(isPalindrome(s) ? "YES" : "NO");

}

static boolean armstrongNumber(int n) {

// code here

int sum = 0;

int pow = 1;

int temp = n;

while(temp>0)

{

int dig = temp%10;

pow = dig\*dig\*dig;

sum = sum + pow;

temp = temp/10;

}

return sum == n;

}

public static boolean isPalindrome(String s) {

return helper(s,0,s.length()-1);

}

public static boolean helper(String s,int left,int right)

{

if(left>=right)

{

return true;

}

if(!Character.isLetterOrDigit(s.charAt(left)))

{

return helper(s,left+1,right);

}

if(!Character.isLetterOrDigit(s.charAt(right)))

{

return helper(s,left,right-1);

}

if(Character.toLowerCase(s.charAt(left))!=Character.toLowerCase(s.charAt(right)))

{

return false;

}

return helper(s,left+1,right-1);

}

}