

# Rotate Number

Problem

Submissions

Leaderboard

Discussions

write a program to print the all n digit number which is same after rotate 180 degree .



Contest ends in a month

Submissions: 52

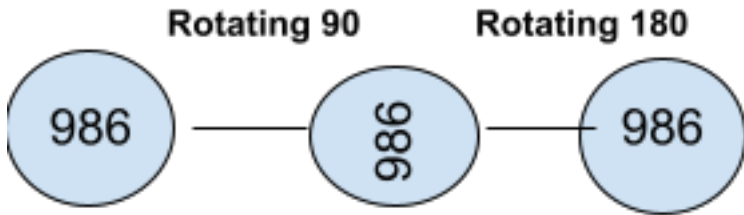
Max Score: 10

Difficulty: Medium

Rate This Challenge:



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For Example: If N = 2, all the strobogrammatic numbers of length = 2 are “11”, “88”, “69”, “96”.

## Input Format

input consist of a single integer 2

## Output Format

11 69 88 96

## Sample Input 0

2

## Sample Output 0

11 69 88 96

Java 8

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```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8     public static void main(String args[] ) throws Exception {
9         /* Enter your code here. Read input from STDIN. Print output to STDOUT */
10        Scanner z=new Scanner(System.in);
11        int n=z.nextInt();
12        int st=(int)Math.pow(10,n-1);
13        int ed=(int)Math.pow(10,n);
14        for(int i=st;i<ed;i++){
15            String str=Integer.toString(i);
16            if(check(str)){
17                System.out.print(str+" ");
18            }
19        }
20
21    }
22
23
24    public static boolean check(String str) {
25        Set<Character> set=new HashSet<>();
26        set.add('2');
27        set.add('3');
28        set.add('4');
29        set.add('5');
30        set.add('7');
31        StringBuilder sb=new StringBuilder();
32        for(char ch:str.toCharArray()){
33            if(set.contains(ch)){
34                return false;
35            }
36        }
37        for(char ch:str.toCharArray()){
38            if(ch=='6'){
39                sb.append('9');
40            }
41            else if(ch=='9'){
42                sb.append('6');
43            }
44            else{
45                sb.append(ch);
46            }
47        }
48        String ans=sb.reverse().toString();
49        if(str.equals(ans)){
50            return true;
51        }
52        else{
53            return false;
54        }
55    }
56
57
58
59 }
```

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