

<https://course.acciojob.com/idle?question=7a1ac077-f650-4a8f-b1d6-49ec821076d2>

- EASY
- Max Score: 20 Points

Priyanshu and Palindrome

Priyanshu has an integer N . He wants to know the numbers which are less than or equal to N and are palindrome. He is unable to find this on his own. Can you help him?

Palindromic integers are those integers that read the same backward or forwards.

Note: Order of numbers should be in the non-decreasing matter.

For Example: You are given 'N' as 23, so the output should be [1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 22], as all single-digit numbers are palindromic, and 11 and 22 are also a palindromic numbers.

Input Format: The only line of input contains an integer N .

Output Format: The only line of output contains space separated integers which are palindrome.

Example 1: 23 Output: 1 2 3 4 5 6 7 8 9 11 22 Explanation: Refer to the problem statement for explanation.

Example 2: Input: 5 Output: 1 2 3 4 5 Explanation: All single-digit numbers are palindromic

Constraints: $1 \leq N \leq 10^5$

Topic Tags

- Math

My code

// in java

```
import java.util.*;  
import java.lang.*;  
import java.io.*;
```

```
public class Main
```

```
{
```

```
    public static void main (String[] args) throws java.lang.Exception  
    {
```

```
        //your code here
```

```
        Scanner s=new Scanner(System.in);
```

```
        int n=s.nextInt();
```

```
        for(int i=1;i<=n;i++)
```

```
        {
```

```
            int sum=0;
```

```
            int j=i;
```

```
            while(j>0)
```

```
            {
```

```
                int r=j%10;
```

```
                j=j/10;
```

```
                sum=(sum*10)+r;
```

```
            }
```

```
            if(i==sum)
```

```
                System.out.print(i+" ");
```

```
        }
```

```
    }
```

```
}
```