- **EASY**
- **Max Score: 30 Points**
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Add 1 to a number represented as linked list

Given a number N, you have to represent it in Linked List such that each digit corresponds to a node in linked list.

After forming the linked list, you have to add 1 to the number and then print the updated linked list.

Input Format

The only line inputs N, an integer.

Output Format

Print the updated linked list in a new line.

Example 1

Input

456

Output

4 5 7

Explanation

The number is represented in the linked list as `4 -> 5 -> 7`.

Example 2

Input

`25`

Output

`2 5`

Explanation

The number is represented in the linked list as `2 -> 5`.

Constraints

1 ≤ N < 10^9

My code

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


class Node
```

```java
{
    int data;
    Node next;

    Node(int data, Node next)
    {
        this.data = data;
        this.next = next;
    }

    Node() {}
}


public class Main
{

  static void display(Node h)
  {
    Node p=h;
    while(p!=null)
     {
       System.out.print(p.data+" ");
       p=p.next;
     }
  }

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

```java
{
    //your code here
    Scanner s=new Scanner(System.in);
    Node a=null;

    int n=s.nextInt();
    int c=0;
    n=n+1;
    while (n>0)
      {
        int r=n%10;
       // if(c==0) {++r;c=5;}
        n/=10;
         a=new Node(r, a);
      }

display(a);
  }}
```