```java
import java.util.*;

public class oneMaxChar {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner sc=new Scanner(System.in);
		String str=sc.next();
		//HASHMAP
		Map<Character,Integer> map=new HashMap<>();
		char[] c=str.toCharArray();
		for(char ch:c){
			if(map.containsKey(ch)){
				map.put(ch, map.get(ch)+1);
			}
			else{
				map.put(ch, 1);
			}
		}
		Set<Map.Entry<Character,Integer>> se=map.entrySet();
		int max=0;
		char maxchar=0;
		for(Map.Entry<Character,Integer> entry:se){
			if(entry.getValue()>max){
				max=entry.getValue();
				maxchar=entry.getKey();
			}
		}
		System.out.print(maxchar+" "+max);


	   int count=0;
		int max=0;
		char maxchar=0;
		for(int i=0;i<str.length();i++){
			for(int j=0;j<str.length();j++){
				if(str.charAt(i)==str.charAt(j)){
					count++;
				}
			}
			if(count>max){
				max=count;
				maxchar=str.charAt(i);
			}
		}
		System.out.print(maxchar);
```

```
	}

}
//tyuiopdddddd
//d 6



import java.util.*;

public class twoRemoveDuplicates {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner sc=new Scanner(System.in);
		String str=sc.next();
		char[] c=str.toCharArray();

		//SET
//		Set<Character> set=new HashSet<>();
//		for(char c:ch){
//			set.add(c);
//		}
//		System.out.print(set);


		Map<Character,Integer> map=new LinkedHashMap<>();
		for(char ch:c){
			if(map.containsKey(ch)){
				map.put(ch, map.get(ch)+1);
			}
			else{
				map.put(ch, 1);
			}
		}
		Set<Map.Entry<Character,Integer>> se=map.entrySet();
		for(Map.Entry<Character,Integer> entry:se){
			System.out.print(entry.getKey());
		}
	}

}
//java
//[a, v, j]
```

```java
import java.util.*;

public class threePrintDuplicates {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner sc=new Scanner(System.in);
		String str=sc.next();
		char[] c=str.toCharArray();

		//HASHMAP
//		Map<Character,Integer> map=new LinkedHashMap<>();
//		for(char ch:c){
//			if(map.containsKey(ch)){
//				map.put(ch, map.get(ch)+1);
//			}
//			else{
//				map.put(ch, 1);
//			}
//		}
//		Set<Map.Entry<Character,Integer>> se=map.entrySet();
//		for(Map.Entry<Character,Integer> entry:se){
//			if(entry.getValue()>1){
//				System.out.print(entry.getKey());
//			}
//		}

		//SET
		Set<Character> set=new HashSet<>();
		for(char ch:c){
			if(set.contains(ch)){
				System.out.print(ch);
			}
			set.add(ch);

		}

	}

}
```

```java
import java.util.*;

public class fourRemoveChar {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner sc=new Scanner(System.in);
		String s1=sc.next();
		String s2=sc.next();
		int index=0;
		int count[]=new int[26];
		for(int i=0;i<26;i++){
			count[i]=0;
		}
		for(int i=0;i<s2.length();i++){
			index=(int)s2.charAt(i)-97;
			count[index]++;
		}
		String copy="";
		for(int i=0;i<s1.length();i++){
			index=(int)s1.charAt(i)-97;
			if(count[index]==0){
				copy+=s1.charAt(i);
			}
		}
		System.out.print(copy);

	}

}
//india
//in
//da
```

```java
import java.util.*;

public class fiveRotateEachOther {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner sc=new Scanner(System.in);
		String s1=sc.next();
		String s2=sc.next();
```

```
            if(s1.length()!=s2.length()){
                  System.out.print("no");
            }
            String s3=s1+s1;
            if(s3.contains(s2)){
                  System.out.print("yes");
            }

      }

}



import java.util.*;
import java.lang.*;
import java.io.*;
public class sixReverseString {

      public static void main(String[] args) {
            // TODO Auto-generated method stub
            Scanner sc=new Scanner(System.in);
            String s=sc.next();
            char[] c=s.toCharArray();
            String reverse="";

//          for(int i=c.length-1;i>=0;i--){
//                reverse+=c[i];
//          }
//          System.out.print(reverse);


//          StringBuffer sb=new StringBuffer();
//          StringBuilder sb=new StringBuilder();
//          for(char ch:c){
//                sb.append(ch);
//          }
//          sb.reverse();
//          System.out.print(sb.toString());



//          for(int i=0;i<s.length();i++){
//                reverse=c[i]+reverse;
```

```
//          }
//          System.out.print(reverse);


            List<Character> al=new ArrayList<>();
            for(char ch:c){
                  al.add(ch);
            }
            Collections.reverse(al);
            ListIterator li=new al.listIterator();
            while(li.hasNext()){
                  System.out.print(li.next());
            }




      }

}
//java
//avaj



import java.util.Scanner;

public class sevenPermutateString {

      public static void main(String[] args) {
            // TODO Auto-generated method stub
            Scanner sc=new Scanner(System.in);
            String s=sc.next();
            String ans="";
            permutate(s,ans);


      }

      private static void permutate(String s, String ans) {
            // TODO Auto-generated method stub
            if(s.length()==0){
                  System.out.print(ans+" ");
                  return;
```

```
            }

            for(int i=0;i<s.length();i++){
                  char c=s.charAt(i);
                  String left=s.substring(0,i);
                  String right=s.substring(i+1);
                  String concat=left+right;
                  permutate(concat,ans+c);
            }

      }

}

//123
//123 132 213 231 312 321
```

```
import java.util.*;

public class eightFirstNonRepeated {

      public static void main(String[] args) {
            // TODO Auto-generated method stub
            Scanner sc=new Scanner(System.in);
            String str=sc.next();
            char[] c=str.toCharArray();

            Map<Character,Integer> map=new LinkedHashMap<>();
            for(char ch:c){
                  if(map.containsKey(ch)){
                        map.put(ch, map.get(ch)+1);
                  }
                  else{
                        map.put(ch, 1);
                  }
            }
            Set<Map.Entry<Character,Integer>> se=map.entrySet();
            for(Map.Entry<Character,Integer> entry:se){
                  if(entry.getValue()==1){
                        System.out.print(entry.getKey());
```

```
                        System.exit(0);
                    }
                }

                }
                for(int i=0;i<str.length();i++){
                    char ch=str.charAt(i);
                    boolean repeat=false;
                    for(int j=i+1;j<str.length();j++){
                        if(ch==str.charAt(j)){
                            repeat=true;
                            break;
                        }
                    }
                    if(repeat==false){
                        System.out.print(ch);
                        break;
                    }


        }

}

//java
//j
```