**I. File .java**

package com.firstapp.quyen.random;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import java.util.ArrayList;  
import java.util.Random;  
  
public class MainActivity extends AppCompatActivity {  
 Button btnRandom;  
 TextView txtRandomNumber;  
 EditText editMin;  
 EditText editMax;  
 ArrayList<Integer> arrayNumber;  
 private int oldMax = 0;  
 private int nowMax = 0;  
 private int oldMin = 0;  
 private int nowMin = 0;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 btnRandom = findViewById(R.id.*btnRandom*);  
 txtRandomNumber = findViewById(R.id.*txtRandomNumber*);  
 editMax = findViewById(R.id.*ediMax*);  
 editMin = findViewById(R.id.*ediMin*);  
 arrayNumber = new ArrayList<>();  
 btnRandom.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if(editMax.getText().toString().length() > 0 && editMin.getText().toString().length() > 0){  
 nowMax = Integer.*parseInt*(editMax.getText().toString());  
 nowMin = Integer.*parseInt*(editMin.getText().toString());  
 if(nowMax < nowMin)  
 {  
 nowMax = nowMin + 1;  
 editMax.setText(nowMax + "");  
 }  
 if (nowMax != oldMax || nowMin != oldMin){  
 arrayNumber.clear();  
 txtRandomNumber.setText("");  
 for(int i = nowMin; i <= nowMax; i++)  
 {  
 arrayNumber.add(i);  
 }  
 oldMin = nowMin;  
 oldMax = nowMax;  
 }  
 else{}  
 Random random = new Random();  
 int value = random.nextInt(nowMax - nowMin + 1) + nowMin;  
  
 for(Integer x: arrayNumber)  
 {  
 if(value == x)  
 {  
 txtRandomNumber.append(value + " ");  
 arrayNumber.remove(x);  
 break;  
 }  
 }  
 }  
 else{  
 Toast.*makeText*(MainActivity.this,"Xin nhap day du data", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
  
 }  
  
  
}

**II. File .xml**

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/txtRandomNumber"  
 android:background="@color/colorPrimary"  
 android:textSize="30sp"  
 android:hint="Random Number"  
 android:layout\_above="@+id/btnRandom"  
 android:layout\_centerInParent="true"  
 android:layout\_marginBottom="30dp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content" />  
 <EditText  
 android:id="@+id/ediMin"  
 android:hint="Nhap so min"  
 android:layout\_marginTop="10dp"  
 android:inputType="number"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
  
 <EditText  
 android:id="@+id/ediMax"  
 android:layout\_below="@+id/ediMin"  
 android:layout\_marginTop="10dp"  
 android:hint="Nhap so max"  
 android:inputType="number"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
  
 <Button  
 android:id="@+id/btnRandom"  
 android:layout\_centerInParent="true"  
 android:text="Random"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content" />  
  
</RelativeLayout>