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Question

Create an android application to generate any random number with some time delay using thread.

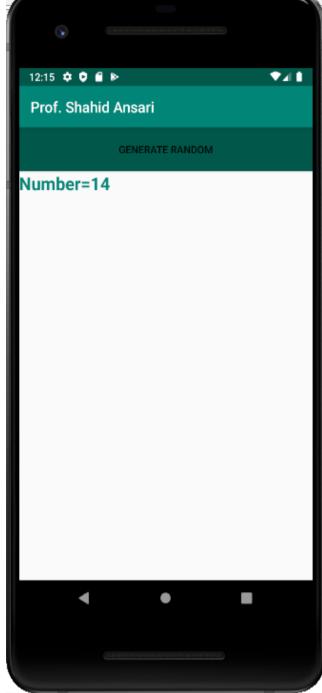
Activity_main.xml

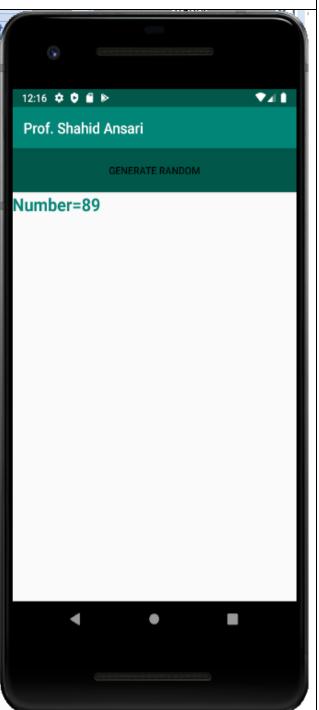
```
<?xml version="1.0" encoding="utf-8"?>
< Relative Layout xmlns: android="http://schemas.android.com/apk/res/android"
  xmlns:app="http://schemas.android.com/apk/res-auto"
  xmlns:tools="http://schemas.android.com/tools"
  android:layout width="match parent"
  android:layout_height="match_parent"
  tools:context=".MainActivity">
  <LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <Button
      android:id="@+id/btnRandom"
      android:layout width="match parent"
      android:layout_height="58dp"
      android:background="@color/colorPrimaryDark"
      android:text="Generate Random"/>
    <TextView
      android:id="@+id/lbl1"
      android:layout width="match parent"
      android:layout_height="55dp"
      android:text="Output"
      android:textColor="@color/colorPrimary"
      android:textSize="24sp"
      android:textStyle="bold"/>
  </LinearLayout>
</RelativeLayout>
```

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Main_Activity.java

```
package com.maharashtracollege.profshahidansari;
import androidx.appcompat.app.AppCompatActivity;
import android.graphics.Color;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.QuickContactBadge;
import android.widget.TextView;
import android.widget.Toast;
import java.util.Random;
public class MainActivity extends AppCompatActivity {
  Button btn1;
  TextView tv1:
  int i=0;
  int ran=0:
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    btn1 = (Button) findViewById(R.id.btnRandom);
    tv1 = (TextView) findViewById(R.id.lbl1);
    btn1.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View v) {
         try
           int ran = (int) (Math.random()*100);
           tv1.setText("Number=" + ran);
         catch(Exception ex)
```





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