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

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| **Activity\_main.xml**  *<?***xml version="1.0" encoding="utf-8"***?>* <**RelativeLayout 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**> | |
| **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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