**activity\_main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout 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">  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="162dp"  
 android:layout\_height="114dp"  
 android:layout\_marginTop="245dp"  
 android:layout\_marginEnd="122dp"  
 android:background="#E41515"  
 android:text="CHANGE WALLPAPER"  
 android:textColor="#0E0E0E"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.java**

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.app.WallpaperManager;  
import android.graphics.BitmapFactory;  
import android.view.View;  
import android.widget.Button;  
import java.lang.Math;  
import android.os.Bundle;  
import java.util.Timer;  
import java.util.TimerTask;  
  
public class MainActivity extends AppCompatActivity implements View.OnClickListener {  
  
 Button cw;  
 boolean running;  
  
 int[] imgarray=new int[]{  
 R.drawable.*p1*,  
 R.drawable.*p2*,  
 R.drawable.*p3*,  
 R.drawable.*p4*,  
 R.drawable.*p5*,  
 R.drawable.*p6*,  
 R.drawable.*p7*,  
 R.drawable.*p8*,  
 R.drawable.*p9*,  
 R.drawable.*p10*,  
 R.drawable.*p11*,  
 R.drawable.*p12*,  
 R.drawable.*p13*,  
 R.drawable.*p14*,  
 R.drawable.*p15*,  
 R.drawable.*p16* };  
 int i=0;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 cw=(Button) findViewById(R.id.*button*);  
 cw.setOnClickListener(this);  
 }  
  
 @Override  
 public void onClick(View v) {  
 if(!running){ new Timer().schedule(new MyTimer(),0,3000);}  
 }  
 class MyTimer extends TimerTask{  
 @Override  
 public void run() {  
 try {  
 WallpaperManager wm=WallpaperManager.*getInstance*(getBaseContext());  
  
 if(i==16) i=0;  
 wm.setBitmap(BitmapFactory.*decodeResource*(getResources(),imgarray[i++]));  
  
 }  
 catch (Exception e){}  
 }  
 }  
}

**AndroidManifest.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.myapplication">  
<uses-permission android:name="android.permission.SET\_WALLPAPER"/>  
 <application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.MyApplication">  
 <activity android:name=".MainActivity">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
 </application>  
  
</manifest>