7.

XML file:

*<?*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">  
 <Button  
 android:id="@+id/button1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="167dp"  
 android:layout\_marginRight="167dp"  
 android:layout\_marginBottom="409dp"  
 android:text="CLICK HERE" />  
</RelativeLayout>

Java file:

package com.example.program4;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.app.WallpaperManager;  
import android.graphics.Bitmap;  
import android.graphics.BitmapFactory;  
  
import android.graphics.drawable.BitmapDrawable;  
import android.graphics.drawable.Drawable;  
import android.os.Bundle;  
import android.os.Handler;  
import android.view.View;  
import android.widget.Button;  
import android.widget.Toast;  
import java.io.IOException;  
import java.util.Timer;  
import java.util.TimerTask;  
public class MainActivity extends AppCompatActivity {  
 Button wallpaperChange;  
 Timer mytimer;  
 Drawable drawable;  
 WallpaperManager wpm;  
 int prev=1;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 mytimer=new Timer();  
 wpm = WallpaperManager.*getInstance*(this);  
 wallpaperChange=(Button)findViewById(R.id.*button1*);  
 wallpaperChange.setOnClickListener(new View.OnClickListener() {  
 @Override public void onClick(View view) {  
 setwallpaper();  
 }  
 });  
 }  
 private void setwallpaper() {  
 Toast.*makeText*(this,"setting Wallpaper please wait.",Toast.*LENGTH\_LONG*).show();  
 mytimer.schedule(new TimerTask() {  
 @Override  
 public void run()  
 {  
 if(prev==1) {  
 drawable = getResources().getDrawable(R.drawable.*i1*); prev = 2;  
 }  
 else if(prev==2) {  
 drawable = getResources().getDrawable(R.drawable.*i2*); prev=3;  
 }  
 else if(prev==3) {  
 drawable = getResources().getDrawable(R.drawable.*i3*); prev=4;  
 }  
 else if(prev==4) {  
 drawable = getResources().getDrawable(R.drawable.*i4*); prev=5;  
 }  
 else if(prev==5) {  
 drawable = getResources().getDrawable(R.drawable.*i5*); prev=1;  
 }  
 Bitmap wallpaper = ((BitmapDrawable)drawable).getBitmap(); try {  
 wpm.setBitmap(wallpaper);  
 }  
 catch (IOException e)  
 { e.printStackTrace();  
 }  
 }  
 },0,30000);  
 }  
}