CHANGING WALLPAPER

XML CODE:

*<?*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">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="198dp"  
 android:layout\_height="63dp"  
 android:text="Wall Paper Changer"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.254" />  
  
 <Button  
 android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="104dp"

android:text="Change WallPaper"

android:onClick="ChangeImage" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.497" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toBottomOf="@+id/textView" app:layout\_constraintVertical\_bias="0.042" />  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

JAVA CODE:

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.os.Handler;  
import android.app.WallpaperManager;  
import android.graphics.Bitmap;  
import android.graphics.BitmapFactory;  
import android.os.Bundle;  
import android.os.Handler;  
import android.view.View;  
import android.widget.Toast;  
import java.io.IOError;  
import java.io.IOException;  
import java.util.Random;  
  
  
  
  
public class MainActivity extends AppCompatActivity {  
  
 int[] images;  
 Handler handler;  
 Runnable runnable;  
 int delay = 30000;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 handler= new Handler();  
  
 }  
 @Override  
 protected void onResume(){  
 handler.postDelayed(runnable=new Runnable() {  
 @Override  
 public void run() {  
 handler.postDelayed(runnable,delay);  
 setWallPaper();  
  
 }  
 },delay);  
 super.onResume();  
  
 }  
 @Override  
 protected void onPause(){  
 super.onPause();  
 handler.removeCallbacks(runnable);  
  
 }  
 public void ChangeImage(View view){  
 setWallPaper();  
  
 }  
  
 private void setWallPaper() {  
 images= new int[] {  
 R.drawable.*i1*,  
 R.drawable.*i2*,  
 R.drawable.*i3*,  
 R.drawable.*i4*,  
 R.drawable.*i5* };  
 int arylength=images.length;  
 Random random = new Random();  
 int rnum = random.nextInt(arylength);  
 Bitmap bitmap= BitmapFactory.*decodeResource*(getResources(),images[rnum]);  
 WallpaperManager manager=WallpaperManager.*getInstance*(getApplicationContext());  
 try{  
 manager.setBitmap(bitmap);  
 Toast.*makeText*(this,"Wall Paper Changed",Toast.*LENGTH\_SHORT*).show();  
 } catch (IOException e) {  
 Toast.*makeText*(this,"Error",Toast.*LENGTH\_SHORT*).show();  
  
 }  
  
 }  
}