4.change wall paper

File\_name=change\_wallpaper

Android manifest.xml

<uses-permission *android:name*="android.permission.INTERNET" />  
<uses-permission *android:name*="android.permission.SET\_WALLPAPER" />  
<uses-permission *android:name*="android.permission.FOREGROUND\_SERVICE" />

Res.drawable. images should be placed..

Java code

*package* com.example.change\_wallpaper;  
  
*import* android.os.Bundle;  
*import* android.view.View;  
*import* android.widget.Button;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
*import* androidx.core.content.ContextCompat;  
  
*import* java.util.Random;  
*import* java.util.Timer;  
*import* java.util.TimerTask;  
*public class* MainActivity *extends* AppCompatActivity {  
*int* [] images;  
Timer timer= *new* Timer();  
TimerTask timerTask;  
 *int* i=0,num1=0;  
 *int* rNum=0;  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 Button wpButton=findViewById(R.id.*button*);  
 View wallView=findViewById(R.id.*wallView*);  
 images=*new int*[]{R.drawable.*w3*,R.drawable.*w4*,R.drawable.*w5*};  
 *int* imageLen=images.length;  
 wpButton.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View v) {  
  
 *// wallView.setBackground(ContextCompat.getDrawable(getApplicationContext(),images[rNum]));* timer.scheduleAtFixedRate(*new* TimerTask() {  
 @Override  
 *public void* run() {  
  
 Random random=*new* Random();  
 rNum=random.nextInt(imageLen);  
 *if*(num1==rNum)  
 {  
 rNum=(rNum+1)%imageLen;  
 }  
  
  
*// Log.d("madhu",""+rNum);* runOnUiThread(*new* Runnable() {  
 @Override  
 *public void* run() {  
 wallView.setBackground(ContextCompat.*getDrawable*(getApplicationContext(),images[rNum]));  
 num1=rNum;  
 *// wallView.setBackground(ContextCompat.getDrawable((getApplicationContext(),images[rNum]));  
// Log.d("abhi",""+i++);* }  
 });  
 }  
 }, 0,3000);  
 }  
 });  
 }  
}

android 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">  
  
 <LinearLayout  
 *android:id*="@+id/wallView"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="match\_parent"  
 *android:background*="#90B5D3"  
 *android:orientation*="vertical"  
 *tools:layout\_editor\_absoluteX*="191dp"  
 *tools:layout\_editor\_absoluteY*="-96dp">  
  
 <EditText  
 *android:id*="@+id/editTextTextPersonName"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="54dp"  
 *android:layout\_gravity*="center"  
 *android:layout\_marginTop*="30sp"  
 *android:background*="#F32183"  
 *android:ems*="10"  
 *android:gravity*="center"  
 *android:inputType*="textPersonName"  
 *android:text*="CHANGE WALLPAPER APPLICATION"  
 *android:textSize*="20sp"  
 *android:textStyle*="bold" />  
  
 <Button  
 *android:id*="@+id/button"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginStart*="50sp"  
 *android:layout\_marginLeft*="50sp"  
 *android:layout\_marginTop*="100sp"  
 *android:layout\_marginEnd*="50sp"  
 *android:layout\_marginRight*="50sp"  
 *android:text*="change wallpaper"  
 *app:backgroundTint*="#983B3B" />  
 </LinearLayout>  
</androidx.constraintlayout.widget.ConstraintLayout>