wallpaper:

java:

```java
package com.example.wallpaper;
import android.annotation.SuppressLint;
import android.app.WallpaperManager;
import android.graphics.Bitmap;
import android.graphics.drawable.BitmapDrawable;
import android.graphics.drawable.Drawable;
import android.os.Bundle;
import android.widget.Button;
import androidx.appcompat.app.AppCompatActivity;
import java.io.IOException;
import java.util.Timer;
import java.util.TimerTask;
public class MainActivity extends AppCompatActivity {
    Button changewallpaper;
    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);
        changewallpaper = findViewById(R.id.button); changewallpaper.setOnClickListener(view ->
            setWallpaper());
    }
    private void setWallpaper() {
        mytimer.schedule(new TimerTask() {
            @SuppressLint("UseCompatLoadingForDrawables")
            @Override
            public void run() {
                if(prev==1) {
                    drawable = getResources().getDrawable(R.drawable.android_studio_wp_img1);
                    prev = 2;
                }
                else if(prev==2) {
                    drawable = getResources().getDrawable(R.drawable.android_studio_wp_img2);
                    prev=3;
                }
```

```java
        else if(prev==3) {
            drawable = getResources().getDrawable(R.drawable.android_studio_wp_img3);
            prev=4;
        }
        else if(prev==4) {
            drawable = getResources().getDrawable(R.drawable.android_studio_wp_img5);
            prev=1;
        }

        Bitmap wallpaper = ((BitmapDrawable)drawable).getBitmap();
        try {
            wpm.setBitmap(wallpaper);
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
},0,30000); } }
```

xml:

```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">

    <TextView
        android:layout_width="178dp"
        android:layout_height="40dp"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="123dp"
        android:layout_marginBottom="420dp"
        android:text="wallpaper changer"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.215" />
```

```xml
    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="129dp"
        android:layout_marginBottom="341dp"
        android:text=" changewallpaper" />

</RelativeLayout>
```