**Animated gradient Android Project**

**Project Abstract:**

* It is a simple android project where the gradient colour is changed in a period of time
* It is to show how an android app works and how simple it is to create an android app

**APPLICATION INFORMATION:**

* Version: “1.0”
* Updated on: 1.12.2021
* Released on: 1.12.2021
* Download size: 3.7 mb

**APPLICATION FEATURES:**

* It can be used to relax your mind
* It can also be used as Screen Saver

**DESCRIPTION:**

* This application consists of a sentence “Spread Love Everywhere You go”
* Here the color of the background keeps changing with gradient colors

**UPDATE PHONE SETTINGS**:

* Go to your phone Settings page
* Tap Security or Applications (varies with device)
* Check the Unknown Sources box
* Confirm with OK

**GO TO DOWNLOADS**:

* Open Downloads on your device by going to My Files or Files
* Tap Install when prompted, the APK file you downloaded will be installed on your device.

**USING EMULATOR**:

* Download And Install one Emulator Software’s

(Ex: Bluestacks, GenyMoti on, NoxPlayer)

**SOURCE CODE:**

**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"

android:id="@+id/layout"

android:background="@drawable/gradient\_list"

tools:context=".MainActivity">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="22sp"

android:textStyle="bold"

android:textColor="#219806"

android:text="Spread love everywhere you go."

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintLeft\_toLeftOf="parent"

app:layout\_constraintRight\_toRightOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.java:**

package com.example.livewallpaper;

import androidx.appcompat.app.AppCompatActivity;

import androidx.constraintlayout.widget.ConstraintLayout;

import android.graphics.drawable.AnimationDrawable;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

ConstraintLayout layout = findViewById(R.id.layout);

//With the help of AnimatedDrawable class, we can set

//the duration to our background and then call the

//function start at the end.

AnimationDrawable animationDrawable = (AnimationDrawable)

layout.getBackground();

animationDrawable.setEnterFadeDuration(1500);

animationDrawable.setExitFadeDuration(3000);

animationDrawable.start();

}

}

**OUTPUT:**



