**PROGRAM - 16**

**AIM:**

Apply themes via code and manifest file

**PROGRAM CODE:**

**JAVA CODE:**

**MainActivity.java**

*package com.example.themes;*

*import androidx.appcompat.app.AppCompatActivity;*

*import android.content.Intent;*

*import android.os.Bundle;*

*import android.view.View;*

*import com.example.manifest.R;*

*public class MainActivity extends AppCompatActivity {*

*@Override*

*protected void onCreate(Bundle savedInstanceState) {*

*super.onCreate(savedInstanceState);*

*setContentView(R.layout.activity\_main);*

*}*

*public void onSubmit(View view){*

*Intent i = new Intent(getApplicationContext(), MainActivity2.class);*

*startActivity(i);*

*}*

*}*

**MainActivity2.java**

*package com.example.themes;*

*import androidx.appcompat.app.AppCompatActivity;*

*import android.content.Intent;*

*import android.os.Bundle;*

*import android.view.View;*

*import com.example.manifest.R;*

*public class MainActivity2 extends AppCompatActivity {*

*@Override*

*protected void onCreate(Bundle savedInstanceState) {*

*super.onCreate(savedInstanceState);*

*setContentView(R.layout.activity\_main2);*

*}*

*public void onReturn(View view){*

*Intent i = new Intent(getApplicationContext(), MainActivity.class);*

*startActivity(i);*

*}*

*}*

**XML 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:background="#EBEDE8"*

*tools:context="com.example.themes.MainActivity">*

*<Button*

*android:id="@+id/button"*

*android:layout\_width="132dp"*

*android:layout\_height="48dp"*

*android:layout\_marginStart="166dp"*

*android:layout\_marginTop="121dp"*

*android:layout\_marginEnd="137dp"*

*android:layout\_marginBottom="233dp"*

*android:background="#421515"*

*android:backgroundTint="#712424"*

*android:onClick="onSubmit"*

*android:text="CHANGE"*

*android:textColorHighlight="#3E2C2C"*

*android:textStyle="bold"*

*app:layout\_constraintBottom\_toBottomOf="parent"*

*app:layout\_constraintEnd\_toEndOf="parent"*

*app:layout\_constraintHorizontal\_bias="1.0"*

*app:layout\_constraintStart\_toStartOf="parent"*

*app:layout\_constraintTop\_toBottomOf="@+id/imageView"*

*app:layout\_constraintVertical\_bias="0.0"*

*app:rippleColor="#220404" />*

*<ImageView*

*android:id="@+id/imageView"*

*android:layout\_width="wrap\_content"*

*android:layout\_height="wrap\_content"*

*android:layout\_marginStart="92dp"*

*android:layout\_marginTop="40dp"*

*app:layout\_constraintStart\_toStartOf="parent"*

*app:layout\_constraintTop\_toTopOf="parent"*

*app:srcCompat="@drawable/d2" />*

*</androidx.constraintlayout.widget.ConstraintLayout>*

**Activity\_main2.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:background="#EBEDE8"*

*tools:context="com.example.themes.MainActivity2">*

*<Button*

*android:id="@+id/button"*

*android:layout\_width="132dp"*

*android:layout\_height="48dp"*

*android:layout\_marginStart="166dp"*

*android:layout\_marginTop="121dp"*

*android:layout\_marginEnd="137dp"*

*android:layout\_marginBottom="233dp"*

*android:background="#421515"*

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*android:onClick="onSubmit"*

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*android:textStyle="bold"*

*app:layout\_constraintBottom\_toBottomOf="parent"*

*app:layout\_constraintEnd\_toEndOf="parent"*

*app:layout\_constraintHorizontal\_bias="1.0"*

*app:layout\_constraintStart\_toStartOf="parent"*

*app:layout\_constraintTop\_toBottomOf="@+id/imageView"*

*app:layout\_constraintVertical\_bias="0.0"*

*app:rippleColor="#220404" />*

*<ImageView*

*android:id="@+id/imageView"*

*android:layout\_width="wrap\_content"*

*android:layout\_height="wrap\_content"*

*android:layout\_marginStart="92dp"*

*android:layout\_marginTop="40dp"*

*app:layout\_constraintStart\_toStartOf="parent"*

*app:layout\_constraintTop\_toTopOf="parent"*

*app:srcCompat="@drawable/d2" />*

*</androidx.constraintlayout.widget.ConstraintLayout>*

**Themes.xml**

*<resources xmlns:tools="http://schemas.android.com/tools">*

*<!-- Base application theme. -->*

*<style name="Theme.Manifest" parent="Theme.MaterialComponents.DayNight.DarkActionBar">*

*<!-- Primary brand color. -->*

*<item name="colorPrimary">@color/purple\_200</item>*

*<item name="colorPrimaryVariant">@color/teal\_700</item>*

*<item name="colorOnPrimary">@color/teal\_200</item>*

*<!-- Secondary brand color. -->*

*<item name="colorSecondary">@color/purple\_500</item>*

*<item name="colorSecondaryVariant">@color/purple\_200</item>*

*<item name="colorOnSecondary">@color/teal\_700</item>*

*<!-- Status bar color. -->*

*<item name="android:statusBarColor" tools:targetApi="l">?attr/colorPrimaryVariant</item>*

*<!-- Customize your theme here. -->*

*</style>*

*<style name="Theme.Manifest1" parent="Theme.MaterialComponents.DayNight.DarkActionBar">*

*<!-- Primary brand color. -->*

*<item name="colorPrimary">#888038</item>*

*<item name="colorPrimaryVariant">#D17AE1</item>*

*<item name="colorOnPrimary">@color/teal\_700</item>*

*<!-- Secondary brand color. -->*

*<item name="colorSecondary">@color/purple\_200</item>*

*<item name="colorSecondaryVariant">#E91E63</item>*

*<item name="colorOnSecondary">#00BCD4</item>*

*<!-- Status bar color. -->*

*<item name="android:statusBarColor" tools:targetApi="l">?attr/colorPrimaryVariant</item>*

*<!-- Customize your theme here. -->*

*</style>*

*</resources>*

**AndroidManifest.xml**

*<?xml version="1.0" encoding="utf-8"?>*

*<manifest xmlns:android="http://schemas.android.com/apk/res/android"*

*package="com.example.manifest">*

*<application*

*android:allowBackup="true"*

*android:icon="@mipmap/ic\_launcher"*

*android:label="@string/app\_name"*

*android:roundIcon="@mipmap/ic\_launcher\_round"*

*android:supportsRtl="true"*

*android:theme="@style/Theme.Manifest">*

*<activity*

*android:name="com.example.themes.MainActivity2"*

*android:exported="false"*

*android:theme="@style/Theme.Manifest1"/>*

*<activity*

*android:name="com.example.themes.MainActivity"*

*android:exported="true">*

*<intent-filter>*

*<action android:name="android.intent.action.MAIN" />*

*<category android:name="android.intent.category.LAUNCHER" />*

*</intent-filter>*

*</activity>*

*</application>*

*</manifest>*