

## Program

**Aim:** Program to apply themes via code and manifest file

### XML Code:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/editTextTextPersonName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        android:minHeight="48dp"
        android:text="avani"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

### Java Code:

```
package com.example.themes;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {
```

@Override

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);  
}  
}
```

### #colors.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<resources>  
    <color name="colorPrimary">#006064</color>  
    <color name="color_primary_dark">#00838F</color>  
    <color name="color_accent">#B2DFDB</color>  
    <color name="color_text_color_primary">#03A9F4</color>  
</resources>
```

### #new\_style.xml

```
<resources xmlns:tools="http://schemas.android.com/tools">  
    <!-- Base application theme. -->  
    <style name="Theme.new_style"  
parent="Theme.MaterialComponents.DayNight.DarkActionBar">  
        <item name="colorPrimary">@color/colorPrimary</item>  
        <item name="colorPrimaryDark">@color/color_primary_dark</item>  
        <item name="colorAccent">@color/color_accent</item>  
        <item name="android:textColorPrimary">@color/color_text_color_primary</item>  
        <item name="android:textSize">40dp</item>  
    </style>  
</resources>
```

### #values\themes.xml

```
<resources xmlns:tools="http://schemas.android.com/tools">  
    <!-- Base application theme. -->  
    <style name="Theme.Themes"  
parent="Theme.MaterialComponents.DayNight.DarkActionBar">
```

```

        <item name="colorPrimary">@color/colorPrimary</item>
        <item name="colorPrimaryDark">@color/color_primary_dark</item>
        <item name="colorAccent">@color/color_accent</item>
        <item name="android:textColorPrimary">@color/color_text_color_primary</item>
        <item name="android:textSize">40dp</item>
    </style>
</resources>

```

### #AndroidManifest.xml

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.themes" >
    <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.new_style">
        <activity
            android:name=".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>

```

### #night\themes.xml

```

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

```

```
<!-- Base application theme. -->  
  
<style name="Theme.Themes"  
parent="Theme.MaterialComponents.DayNight.DarkActionBar">  
  
    <item name="colorPrimary">@color/colorPrimary</item>  
    <item name="colorPrimaryDark">@color/color_primary_dark</item>  
    <item name="colorAccent">@color/color_accent</item>  
    <item name="android:textColorPrimary">@color/color_text_color_primary</item>  
    <item name="android:textSize">40sp</item>  
  
</style>  
</resources>
```

### Output:

