**PRACTICAL 11**

**Aim: Create an android application to implement use of style which includes custom style like layout width, height, type face, text size, text color etc.**

* **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"

tools:context=".MainActivity">

<Button

android:id="@+id/button" style="@style/Button1viewStyle"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.283"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.166"

tools:ignore="MissingConstraints" />

<Button

android:id="@+id/button2"

style="@style/Button2viewStyle"

android:text="GREEN"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.289"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.3"

tools:ignore="MissingConstraints" />

<Button

android:id="@+id/button3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

style="@style/Button3viewStyle" android:text="BLUE"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.292"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.439"

tools:ignore="MissingConstraints" />

</androidx.constraintlayout.widget.ConstraintLayout>

* **MainActivity.java**

package com.example.practical11;

import androidx.appcompat.app.AppCompatActivity;

import android.graphics.Color;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

public class MainActivity extends AppCompatActivity

{

Button r,g,b;

View layout; @Override

protected void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

r = (Button)findViewById(R.id.button);

g = (Button)findViewById(R.id.button2);

b = (Button)findViewById(R.id.button3);

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

r.setOnClickListener(new View.OnClickListener() {

public void onClick(View v)

{

layout.setBackgroundColor(Color.RED);

}

});

g.setOnClickListener(new View.OnClickListener() {

public void onClick(View v) {

layout.setBackgroundColor(Color.GREEN);

}

});

b.setOnClickListener(new View.OnClickListener() {

public void onClick(View v) { layout.setBackgroundColor(Color.BLUE);

}

});

}

}

* **Night\themes.xml:**

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

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

<!-- Base application theme. -->

<style name="Theme.Practical11" parent="Theme.MaterialComponents.DayNight.DarkActionBar">

<!-- Primary brand color. -->

<item name="colorPrimary">@color/black</item>

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

<item name="colorOnPrimary">@color/white</item>

<!-- Secondary brand color. -->

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

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

<item name="colorOnSecondary">@color/black</item>

<item name="android:textSize">20dp</item>

<item name="android:fontFamily">sans-serif</item>

</style>

<style name="Button1viewStyle"

parent="Theme.MaterialComponents.DayNight.DarkActionBar">

<item name="android:textColor">#FF0000</item>

<item name="android:textStyle">bold</item>

<item name="android:padding">10dp</item>

<item name="android:text">RED</item>

<item name="android:layout\_width">wrap\_content</item>

<item name="android:layout\_height">wrap\_content</item>

</style>

<style name="Button2viewStyle"

parent="Theme.MaterialComponents.DayNight.DarkActionBar">

<item name="android:textColor">#00FF00</item>

<item name="android:textStyle">bold</item>

<item name="android:padding">10dp</item>

<item name="android:text">GREEN</item>

<item name="android:layout\_width">wrap\_content</item>

<item name="android:layout\_height">wrap\_content</item>

</style>

<style name="Button3viewStyle"

parent="Theme.MaterialComponents.DayNight.DarkActionBar">

<item name="android:textColor">#0000FF</item>

<item name="android:textStyle">bold</item>

<item name="android:padding">10dp</item>

<item name="android:text">BLUE</item>

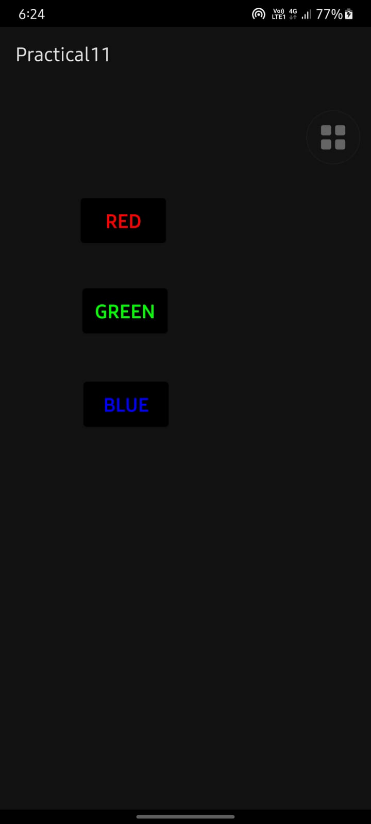
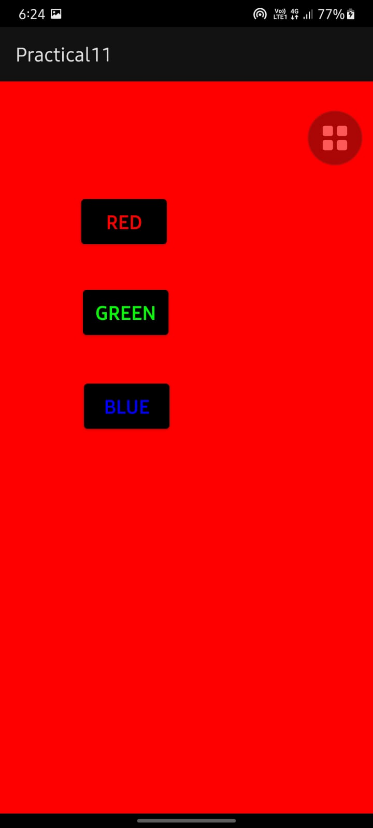
<item name="android:layout\_width">wrap\_content</item>

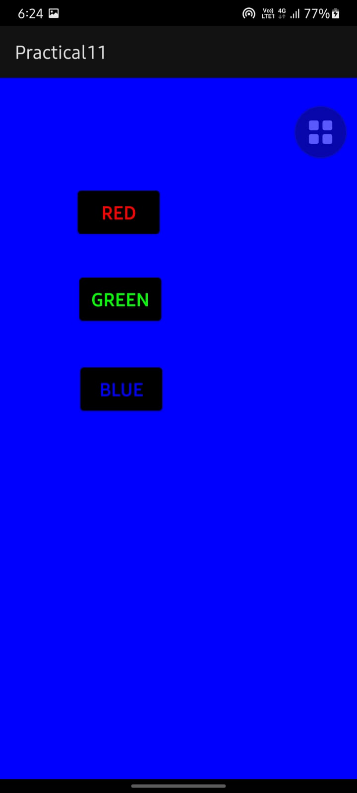
<item name="android:layout\_height">wrap\_content</item>

</style>

</resources>

* **Output:**

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