

## <COLOR XML>

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
  <color name="purple_200">#FFBB86FC</color>
  <color name="purple_500">#FF6200EE</color>
  <color name="purple_700">#FF3700B3</color>
  <color name="teal_200">#FF03DAC5</color>
  <color name="teal_700">#FF018786</color>
  <color name="black">#FF000000</color>
  <color name="white">#FFFFFFFF</color>
  <color name="green">#4CAF50</color>
  <color name="pink">#9C27B0</color>
  <color name="violet">#673AB7</color>
  <color name="dark_green">#009688</color>
  <color name="blue">#00BCD4</color>
  <color name="orange">#FF5722</color>
</resources>
```

## <XML CODE>

```
<?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"
tools:context=".MainActivity">

  <TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="@font/bungee_shade"
    android:text="John Oliver"
    android:textSize="32sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.44" />

  <LinearLayout
    android:id="@+id/linearLayout"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toBottomOf="@+id/textView"  
app:layout_constraintVertical_bias="0.41000003">
```

```
<Button  
    android:id="@+id/Bgreen"  
    android:layout_width="wrap_content"  
    android:layout_height="90dp"  
    android:layout_marginLeft="10dp"  
    android:layout_marginRight="10dp"  
    android:layout_weight="1"  
    android:backgroundTint="#4CAF50"  
    android:text="        " />
```

```
<Button  
    android:id="@+id/Bpink"  
    android:layout_width="wrap_content"  
    android:layout_height="90dp"  
    android:layout_marginRight="10dp"  
    android:layout_weight="1"  
    android:backgroundTint="#9C27B0"  
    android:text="        " />
```

```
<Button  
    android:id="@+id/Bviolet"  
    android:layout_width="wrap_content"  
    android:layout_height="90dp"  
    android:layout_marginRight="10dp"  
    android:layout_weight="1"  
    android:backgroundTint="#673AB7"  
    android:text="        " />
```

```
</LinearLayout>
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:orientation="horizontal"  
    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/linearLayout"  
    app:layout_constraintVertical_bias="0.0">
```

```
<Button  
    android:id="@+id/Bdark_green"  
    android:layout_width="wrap_content"  
    android:layout_height="90dp"  
    android:layout_marginLeft="10dp"  
    android:layout_marginRight="10dp"  
    android:layout_weight="1"  
    android:backgroundTint="#009688"  
    android:text="        " />
```

```
<Button  
    android:id="@+id/Bblue"  
    android:layout_width="wrap_content"
```

```

        android:layout_height="90dp"
        android:layout_marginRight="10dp"
        android:layout_weight="1"
        android:backgroundTint="#00BCD4"
        android:text="                " />

    <Button
        android:id="@+id/Borange"
        android:layout_width="wrap_content"
        android:layout_height="90dp"
        android:layout_marginRight="10dp"
        android:layout_weight="1"
        android:backgroundTint="#FF5722"
        android:text="                " />
</LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

```

## <JAVA CODE>

```

package com.jofs.task3;

import androidx.appcompat.app.AppCompatActivity;
import androidx.constraintlayout.widget.ConstraintLayout;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    TextView textView;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        Button green, pink, violet, Dgreen, blue, orange;

        // set button with its id
        green = findViewById(R.id.Bgreen);

        pink = findViewById(R.id.Bpink);

        violet = findViewById(R.id.Bviolet);

        Dgreen = findViewById(R.id.Bdark_green);

        blue = findViewById(R.id.Bblue);

        orange = findViewById(R.id.Borange);
    }
}

```

```
        textView = findViewById(R.id.textView);

        // onClick function for buttons

        green.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

textView.setTextColor(getResources().getColor(R.color.green));
            }
        });

        pink.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                textView.setTextColor(getResources().getColor(R.color.pink));
            }
        });

        violet.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

textView.setTextColor(getResources().getColor(R.color.violet));
            }
        });

        Dgreen.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

textView.setTextColor(getResources().getColor(R.color.dark_green));
            }
        });

        blue.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                textView.setTextColor(getResources().getColor(R.color.blue));
            }
        });

        orange.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

textView.setTextColor(getResources().getColor(R.color.orange));
            }
        });

    }
}
```