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Sub : Mobile Application Development

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## Assignment 11

**Aim :** Create an application that will demonstrate button onClick() Event and change the TextView color based on button clicked

➤ .XML CODE

```
➤ <?xml version="1.0" encoding="utf-8"?>
  <RelativeLayout
    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">
    <TableLayout
      android:layout_width="wrap_content"
      android:layout_height="wrap_content"
      android:stretchColumns="*"
      android:shrinkColumns="*"
      android:layout_marginTop="20dp"
      android:id="@+id/table1">
      <TableRow>
        <Button
          android:layout_marginLeft="10dp"
          android:layout_marginRight="5dp"
          android:text="RED"
          android:textColor="@color/white"
          android:textSize="10dp"
          android:gravity="center"
          android:id="@+id/b1"></Button>
        <Button
          android:layout_marginRight="5dp"
          android:layout_marginLeft="5dp"
          android:textColor="@color/white"
          android:text="BLUE"
          android:textSize="10dp"
          android:gravity="center"
          android:id="@+id/b2"></Button>
        <Button
          android:layout_marginLeft="5dp"
          android:layout_marginRight="5dp"
          android:text="black"
          android:textColor="@color/white"
          android:textSize="10dp"
          android:gravity="center"
          android:id="@+id/b3"></Button>
      <Button
```

```

        android:layout_marginRight="10dp"
        android:layout_marginLeft="5dp"
        android:textColor="@color/white"
        android:textSize="10dp"
        android:text="ORANGE"
        android:gravity="center"
        android:id="@+id/b4"></Button>
    </TableRow>
</TableLayout>
<EditText
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_marginTop="15dp"
    android:id="@+id/textview1"
    android:layout_below="@+id/table1"></EditText>
</RelativeLayout>

```

## ➤ .JAVA CODE

```

➤ package com.example.allapk;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {
    Button bt1, bt2, bt3, bt4;
    EditText edit;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        bt1 = (Button)findViewById(R.id.b1);
        bt2 = (Button)findViewById(R.id.b2);
        bt3 = (Button)findViewById(R.id.b3);
        bt4 = (Button)findViewById(R.id.b4);
        edit = (EditText)findViewById(R.id.textview1);
        bt1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                edit.setBackgroundColor(getColor(R.color.red));
            }
        });
        bt2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                edit.setBackgroundColor(getColor(R.color.blue));
            }
        });
        bt3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                edit.setBackgroundColor(getColor(R.color.black));
            }
        });
    }
}

```

```

    });
    bt4.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            edit.setBackgroundColor(getColor(R.color.orange));
        }
    });
}
}
}

```

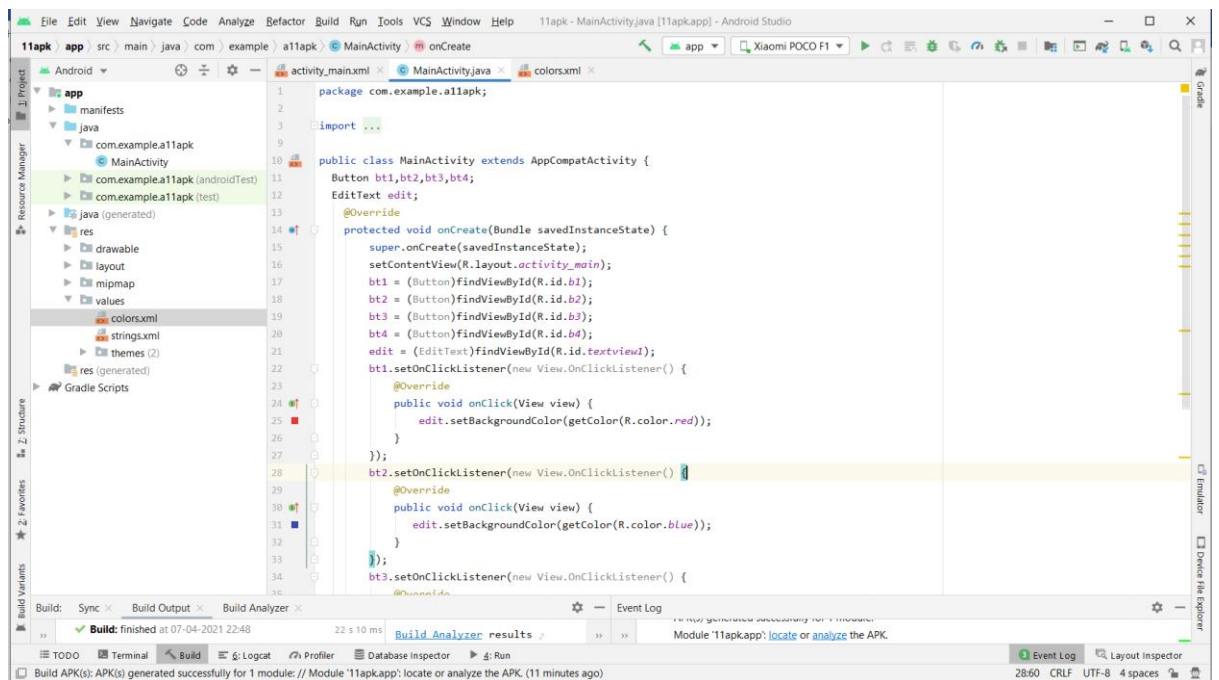
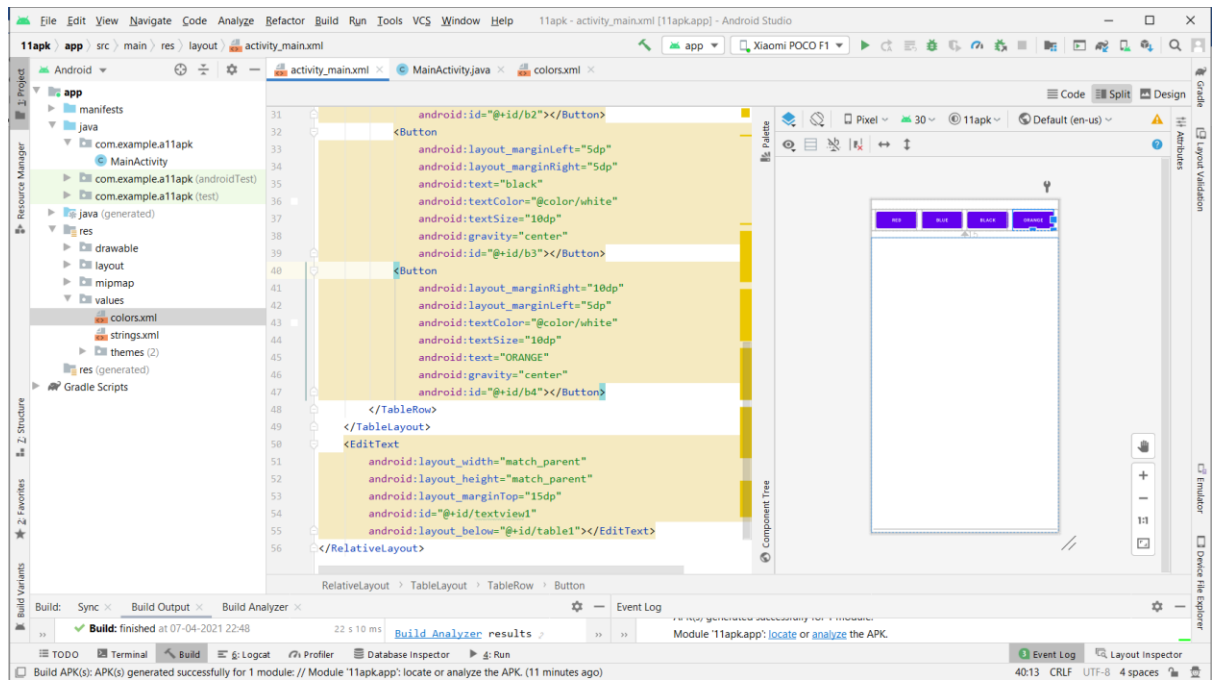
## ➤ COLOR VALUE

```

➤ <?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="red">#E53935</color>
    <color name="blue">#3949AB</color>
    <color name="pink">#EF54F4</color>
    <color name="orange">#FB8C00</color>
    <color name="yellow">#FDD835</color>
    <color name="purple">#981CB8</color>
  </resources>

```

## SCREENSHOTS



22:57



4G



53

# 11apk

RED

BLUE

BLACK

ORANGE



22:57

4G 53

11apk

RED

BLUE

BLACK

ORANGE

Paste

Autofill

Frequent phrases

22:57  

 4G  53

# 11apk

RED

BLUE

BLACK

ORANGE

