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Sub : Mobile Application Development

Assignment 9

Aim : Create spinner with strings taken from resource folder(res>>value). On changing spinner value change background of screen.

➤ .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">

    <Spinner
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:id="@+id/spinner1"
      android:entries="@array/myarray"
      android:layout_marginLeft="45dp"
      android:layout_marginRight="45dp"
      android:layout_marginTop="50dp"></Spinner>

    <TextView
      android:layout_width="match_parent"
      android:layout_height="match_parent"
      android:layout_below="@+id/spinner1"
      android:layout_marginTop="20dp"
      android:background="#8A1F2F"
      android:id="@+id/tx1"></TextView>

  </RelativeLayout>
```

➤ .JAVA CODE

```
➤ package com.example.a9apk;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
```

```

import android.widget.Spinner;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    Spinner sp;
    TextView text;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        sp = (Spinner)findViewById(R.id.spinner1);
        text = (TextView)findViewById(R.id.tx1);
        sp.setOnItemSelectedListener(new
        AdapterView.OnItemSelectedListener() {
            @Override

            public void onItemSelected(AdapterView<?> adapterView,
            View view, int i, long l) {
                if (sp.getSelectedItemId()==0){
                    text.setBackgroundColor(getColor(R.color.red));
                }else if(sp.getSelectedItemId()==1){

                    text.setBackgroundColor(getColor(R.color.blue));
                }else if(sp.getSelectedItemId()==2){

                    text.setBackgroundColor(getColor(R.color.pink));
                }else if(sp.getSelectedItemId()==3){

                    text.setBackgroundColor(getColor(R.color.orange));
                }else if (sp.getSelectedItemId()==4){

                    text.setBackgroundColor(getColor(R.color.yellow));
                }else

                    text.setBackgroundColor(getColor(R.color.purple));
                }

            @Override
            public void onNothingSelected(AdapterView<?>
            adapterView) {

            }

        });
    }
}

```

➤ STRING VALUE

```

➤ <resources>
    <string name="app_name">9apk</string>

    <string-array name="myarray">
        <item>RED</item>
        <item>BLUE</item>
    </string-array>
</resources>

```

```

        <item>PINK</item>
        <item>ORANGE</item>
        <item>YELLOW</item>
        <item>PURPLE</item>
    </string-array>
</resources>

```

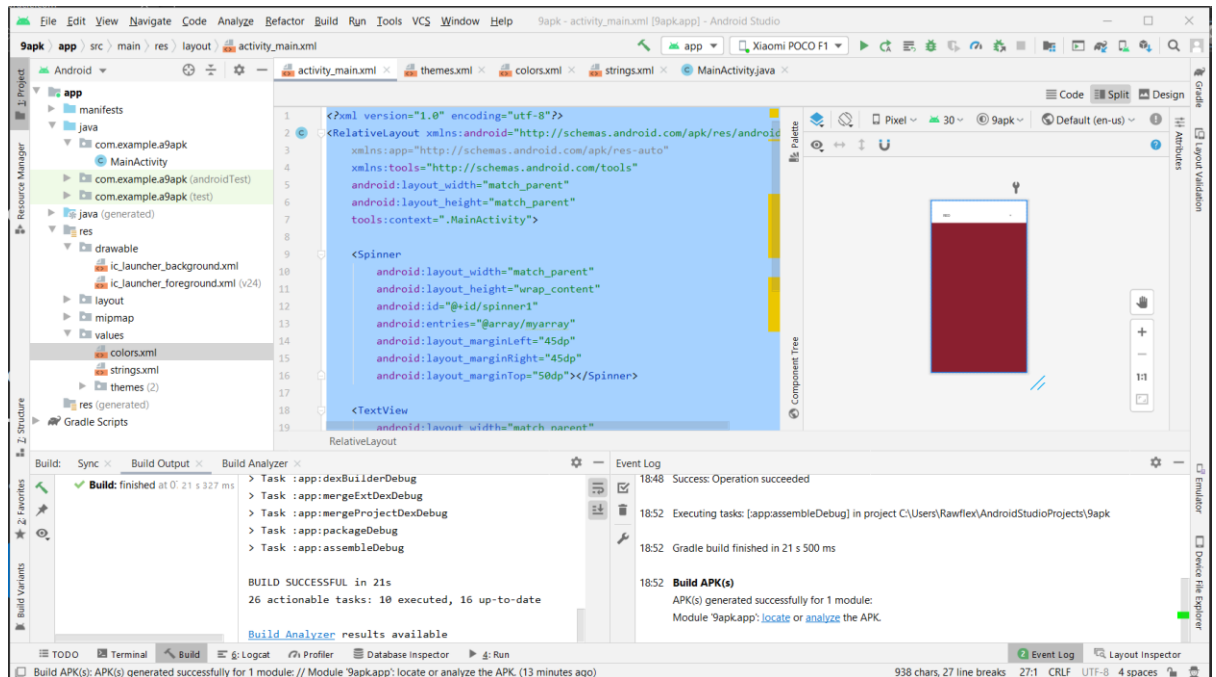
➤ COLOR VALUE

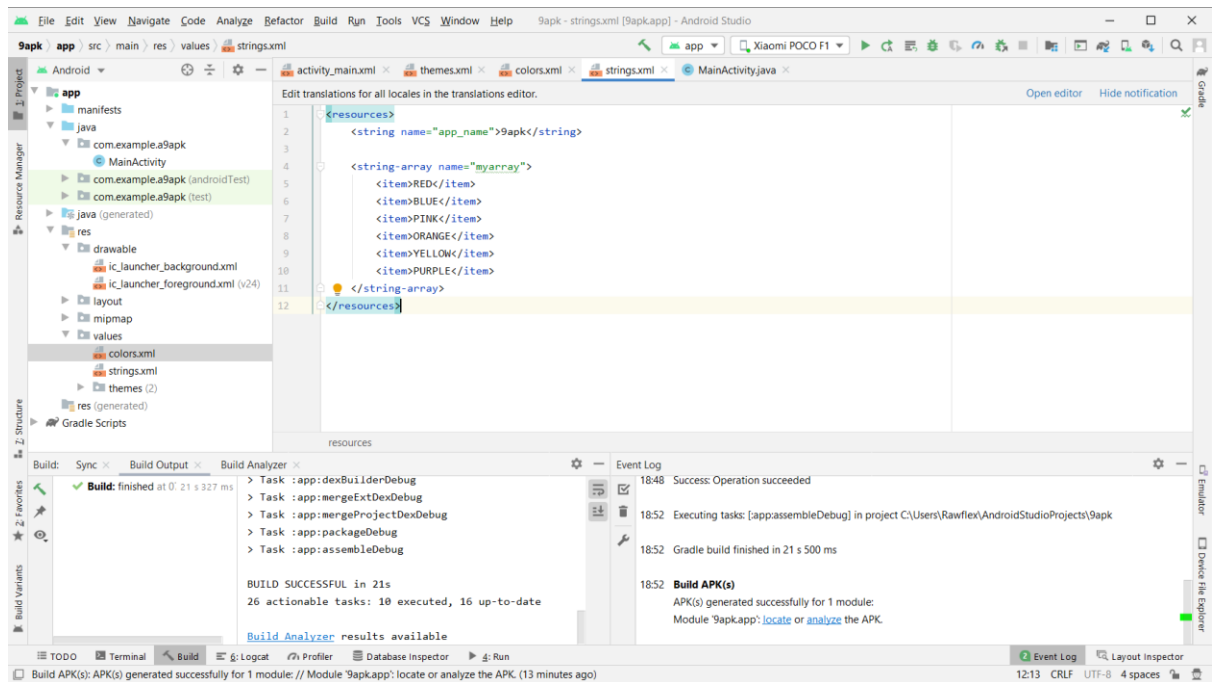
```

➤ <?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





19:04

4G+ 31

9apk

RED

19:05



4G+



31

9apk

ORANGE

19:04

4G+ 31

9apk

BLUE