Solution:-

Design:-

activity_myapp.xml

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

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:weightSum="7"
    android:orientation="vertical" >

    <LinearLayout
        android:layout_height="0dp"
        android:layout_weight="1"
        android:layout_width="match_parent"
        android:textAlignment="center"

        >
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="RED"
            android:textAlignment="center"
            android:layout_gravity="center_horizontal"
            android:textColor="@android:color/background_dark"
            android:background="@color/Red"
            android:textSize="35dp"
            android:padding="@dimen/activity_vertical_margin"
            android:layout_weight="0.05"
             />

    </LinearLayout>
    <LinearLayout
        android:layout_height="0dp"
        android:layout_weight="1"
        android:layout_width="match_parent"
        android:background="#FF0000"
        >
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="ORANGE"
            android:textAlignment="center"
            android:layout_gravity="center_horizontal"
            android:textColor="@android:color/black"
            android:background="@android:color/holo_orange_light"
            android:textSize="35dp"
            android:padding="@dimen/activity_vertical_margin"
            android:layout_weight="0.05"/>

    </LinearLayout>
    <LinearLayout
        android:layout_height="0dp"
        android:layout_weight="1"
        android:layout_width="match_parent"

        >
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="YELLOW"
            android:textAlignment="center"
            android:layout_gravity="center_horizontal"
            android:textColor="@android:color/black"
            android:background="@color/yellow"
```

```xml
        android:textSize="35dp"
        android:padding="@dimen/activity_vertical_margin"
        android:layout_weight="0.05"/>

</LinearLayout>
<LinearLayout
    android:layout_height="0dp"
    android:layout_weight="1"
    android:layout_width="match_parent"

    >
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="GREEN"
        android:textAlignment="center"
        android:layout_gravity="center_horizontal"
        android:textColor="@android:color/black"
        android:background="@android:color/holo_green_light"
        android:textSize="35dp"
        android:padding="@dimen/activity_vertical_margin"
        android:layout_weight="0.05"/>

</LinearLayout>
<LinearLayout
    android:layout_height="0dp"
    android:layout_weight="1"
    android:layout_width="match_parent"

    >
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="BLUE"
        android:textAlignment="center"
        android:layout_gravity="center_horizontal"
        android:textColor="@android:color/black"
        android:background="@color/DarkBlue"
        android:textSize="35dp"
        android:padding="@dimen/activity_vertical_margin"
        android:layout_weight="0.05"/>

</LinearLayout>
<LinearLayout
    android:layout_height="0dp"
    android:layout_weight="1"
    android:layout_width="match_parent"

    >
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="INDIGO"
        android:textAlignment="center"
        android:layout_gravity="center_horizontal"
        android:textColor="@android:color/black"
        android:background="@color/Indigo"
        android:textSize="35dp"
        android:padding="@dimen/activity_vertical_margin"
        android:layout_weight="0.05"/>

</LinearLayout>
<LinearLayout
    android:layout_height="0dp"
    android:layout_weight="1"
    android:layout_width="match_parent"

    >

    <TextView
```

```xml
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="VIOLET"
            android:textAlignment="center"
            android:layout_gravity="center_horizontal"
            android:textColor="@android:color/black"
            android:background="@color/Violet"
            android:textSize="35dp"
            android:padding="@dimen/activity_vertical_margin"
            android:layout_weight="0.05"/>
    </LinearLayout>
</LinearLayout>
```

put some color code at <u>colors.xml</u>

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="colorPrimary">#3F51B5</color>
    <color name="colorPrimaryDark">#f9fd03</color>
    <color name="colorAccent">#ff4040</color>
    <color name="white">#FFFFFF</color>
    <color name="yellow">#FFFF00</color>
    <color name="fuchsia">#FF00FF</color>
    <color name="red">#FF0000</color>
    <color name="silver">#C0C0C0</color>
    <color name="gray">#808080</color>
    <color name="olive">#808000</color>
    <color name="purple">#800080</color>
    <color name="maroon">#800000</color>
    <color name="aqua">#00FFFF</color>
    <color name="lime">#00FF00</color>
    <color name="teal">#008080</color>
    <color name="green">#008000</color>
    <color name="blue">#0000FF</color>
    <color name="navy">#000080</color>
    <color name="black">#000000</color>
    <color name="White">#FFFFFF</color>
    <color name="Ivory">#FFFFF0</color>
    <color name="LightYellow">#FFFFE0</color>
    <color name="Yellow">#FFFF00</color>
    <color name="Snow">#FFFAFA</color>
    <color name="FloralWhite">#FFFAF0</color>
    <color name="LemonChiffon">#FFFACD</color>
    <color name="Cornsilk">#FFF8DC</color>
    <color name="Seashell">#FFF5EE</color>
    <color name="LavenderBlush">#FFF0F5</color>
    <color name="PapayaWhip">#FFEFD5</color>
    <color name="BlanchedAlmond">#FFEBCD</color>
    <color name="MistyRose">#FFE4E1</color>
    <color name="Bisque">#FFE4C4</color>
    <color name="Moccasin">#FFE4B5</color>
    <color name="NavajoWhite">#FFDEAD</color>
    <color name="PeachPuff">#FFDAB9</color>
    <color name="Gold">#FFD700</color>
    <color name="Pink">#FFC0CB</color>
    <color name="LightPink">#FFB6C1</color>
    <color name="Orange">#FFA500</color>
    <color name="LightSalmon">#FFA07A</color>
    <color name="DarkOrange">#FF8C00</color>
    <color name="Coral">#FF7F50</color>
    <color name="HotPink">#FF69B4</color>
    <color name="Tomato">#FF6347</color>
    <color name="OrangeRed">#FF4500</color>
    <color name="DeepPink">#FF1493</color>
    <color name="Fuchsia">#FF00FF</color>
```

```xml
<color name="Magenta">#FF00FF</color>
<color name="Red">#FF0000</color>
<color name="OldLace">#FDF5E6</color>
<color name="LightGoldenrodYellow">#FAFAD2</color>
<color name="Linen">#FAF0E6</color>
<color name="AntiqueWhite">#FAEBD7</color>
<color name="Salmon">#FA8072</color>
<color name="GhostWhite">#F8F8FF</color>
<color name="MintCream">#F5FFFA</color>
<color name="WhiteSmoke">#F5F5F5</color>
<color name="Beige">#F5F5DC</color>
<color name="Wheat">#F5DEB3</color>
<color name="SandyBrown">#F4A460</color>
<color name="Azure">#F0FFFF</color>
<color name="Honeydew">#F0FFF0</color>
<color name="AliceBlue">#F0F8FF</color>
<color name="Khaki">#F0E68C</color>
<color name="LightCoral">#F08080</color>
<color name="PaleGoldenrod">#EEE8AA</color>
<color name="Violet">#EE82EE</color>
<color name="DarkSalmon">#E9967A</color>
<color name="Lavender">#E6E6FA</color>
<color name="LightCyan">#E0FFFF</color>
<color name="BurlyWood">#DEB887</color>
<color name="Plum">#DDA0DD</color>
<color name="Gainsboro">#DCDCDC</color>
<color name="Crimson">#DC143C</color>
<color name="PaleVioletRed">#DB7093</color>
<color name="Goldenrod">#DAA520</color>
<color name="Orchid">#DA70D6</color>
<color name="Thistle">#D8BFD8</color>
<color name="LightGrey">#D3D3D3</color>
<color name="Tan">#D2B48C</color>
<color name="Chocolate">#D2691E</color>
<color name="Peru">#CD853F</color>
<color name="IndianRed">#CD5C5C</color>
<color name="MediumVioletRed">#C71585</color>
<color name="Silver">#C0C0C0</color>
<color name="DarkKhaki">#BDB76B</color>
<color name="RosyBrown">#BC8F8F</color>
<color name="MediumOrchid">#BA55D3</color>
<color name="DarkGoldenrod">#B8860B</color>
<color name="FireBrick">#B22222</color>
<color name="PowderBlue">#B0E0E6</color>
<color name="LightSteelBlue">#B0C4DE</color>
<color name="PaleTurquoise">#AFEEEE</color>
<color name="GreenYellow">#ADFF2F</color>
<color name="LightBlue">#ADD8E6</color>
<color name="DarkGray">#A9A9A9</color>
<color name="Brown">#A52A2A</color>
<color name="Sienna">#A0522D</color>
<color name="YellowGreen">#9ACD32</color>
<color name="DarkOrchid">#9932CC</color>
<color name="PaleGreen">#98FB98</color>
<color name="DarkViolet">#9400D3</color>
<color name="MediumPurple">#9370DB</color>
<color name="LightGreen">#90EE90</color>
<color name="DarkSeaGreen">#8FBC8F</color>
<color name="SaddleBrown">#8B4513</color>
<color name="DarkMagenta">#8B008B</color>
<color name="DarkRed">#8B0000</color>
<color name="BlueViolet">#8A2BE2</color>
<color name="LightSkyBlue">#87CEFA</color>
<color name="SkyBlue">#87CEEB</color>
<color name="Gray">#808080</color>
<color name="Olive">#808000</color>
<color name="Purple">#800080</color>
<color name="Maroon">#800000</color>
<color name="Aquamarine">#7FFFD4</color>
<color name="Chartreuse">#7FFF00</color>
```

```xml
        <color name="LawnGreen">#7CFC00</color>
        <color name="MediumSlateBlue">#7B68EE</color>
        <color name="LightSlateGray">#778899</color>
        <color name="SlateGray">#708090</color>
        <color name="OliveDrab">#6B8E23</color>
        <color name="SlateBlue">#6A5ACD</color>
        <color name="DimGray">#696969</color>
        <color name="MediumAquamarine">#66CDAA</color>
        <color name="CornflowerBlue">#6495ED</color>
        <color name="CadetBlue">#5F9EA0</color>
        <color name="DarkOliveGreen">#556B2F</color>
        <color name="Indigo">#4B0082</color>
        <color name="MediumTurquoise">#48D1CC</color>
        <color name="DarkSlateBlue">#483D8B</color>
        <color name="SteelBlue">#4682B4</color>
        <color name="RoyalBlue">#4169E1</color>
        <color name="Turquoise">#40E0D0</color>
        <color name="MediumSeaGreen">#3CB371</color>
        <color name="LimeGreen">#32CD32</color>
        <color name="DarkSlateGray">#2F4F4F</color>
        <color name="SeaGreen">#2E8B57</color>
        <color name="ForestGreen">#228B22</color>
        <color name="LightSeaGreen">#20B2AA</color>
        <color name="DodgerBlue">#1E90FF</color>
        <color name="MidnightBlue">#191970</color>
        <color name="Aqua">#00FFFF</color>
        <color name="Cyan">#00FFFF</color>
        <color name="SpringGreen">#00FF7F</color>
        <color name="Lime">#00FF00</color>
        <color name="MediumSpringGreen">#00FA9A</color>
        <color name="DarkTurquoise">#00CED1</color>
        <color name="DeepSkyBlue">#00BFFF</color>
        <color name="DarkCyan">#008B8B</color>
        <color name="Teal">#008080</color>
        <color name="Green">#008000</color>
        <color name="DarkGreen">#006400</color>
        <color name="Blue">#0000FF</color>
        <color name="MediumBlue">#0000CD</color>
        <color name="DarkBlue">#00008B</color>
        <color name="Navy">#000080</color>
        <color name="Black">#000000</color>
</resources>
```

change activity name to ".myapp" at AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.user.myapplication">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".myapp">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

Control:-(java file)

myapp.java

```java
package com.example.user.myapplication;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;

public class myapp extends AppCompatActivity {



    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_myapp);

    }
}
```

Output:-
After run the emulator I get the following:-