Date:

Lab Session No.: 07

Aim:

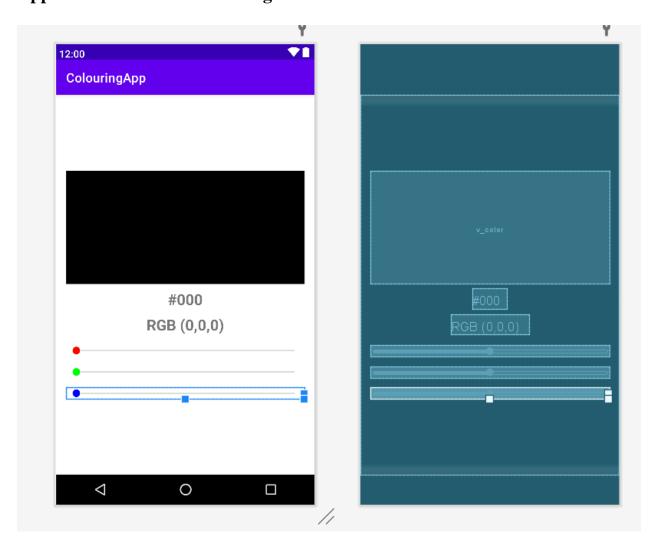
Develop an android application to implement user interface by using User Interface (UI) or input controls available in android.

Example: Develop an android application that sets various color code.

Software's /IDE Tools:

Android Development Kit / Android Studio

Application User interface design:



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Application Programming Interface:

API / PACKA	CLASSES / INTERFACES	METHODS	DESCRIPTION
import androidx.a ppcompat. app.AppC ompatActi vity;	AppCompatAct ivity	protected void onCreate(Bundle savedInstanceState)	onCreate(Bundle) is where you initialize your activity. When Activity is started and application is not loaded, then both onCreate() methods will be called.
import android.w idget.Edit Text;	EditText	getText()	Determines the minimum type that getText() will return. If set, specifies that this TextView has a textual input method and should automatically capitalize what the user types.

Code/Implementation:

```
// Develop an android application to demonstrate the Implicit and Explicit Intent.
```

// Project Name : ColouringApp

/*

Lab Session No. : 07

Author : Tellakula Avinash

Date

: 198W1A05C0 Roll Number

Description : Colour based on Color code

Softwares required

Android Studio

Topics Covered

UI Input Controls

*/

MainAcitivity.java

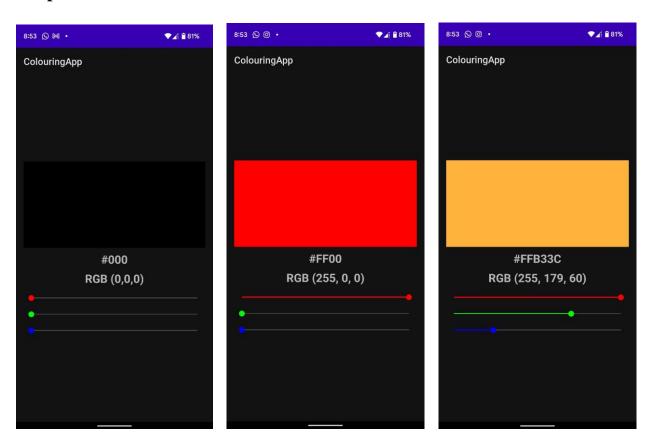
```
package com.avinash.colouringapp;
import androidx.appcompat.app.AppCompatActivity;
import android.graphics.Color;
import android.os.Bundle;
import android.view.View;
```

Topic: UI Input Controls

```
}
    @Override
    public void onStopTrackingTouch(SeekBar seekBar) {
}
activity main.xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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:orientation="vertical"
    android:gravity="center"
    android:padding="16dp"
    tools:context=".MainActivity">
    <View
        android:layout height="180dp"
        android:layout width="match parent"
        android:id="@+id/v color"
        android:background="#000"
        />
    <TextView
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:id="@+id/tv code"
        android:text="#000"
        android:textSize="24sp"
        android:textStyle="bold"
        android:layout_marginTop="8dp"
        />
    <TextView
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:id="@+id/tv value"
        android:text="RGB (0,0,0)"
        android:textSize="24sp"
        android:textStyle="bold"
        android:layout marginTop="8dp"
        />
    <SeekBar
        android:layout width="match parent"
        android:layout height="wrap content"
        android:id="@+id/sb red"
        android:layout marginTop="16dp"
        android:max="255"
        android:progressTint="#FF0000"
        android:thumbTint="#FF0000"
        />
    <SeekBar
        android:layout_width="match_parent"
        android:layout height="wrap content"
```

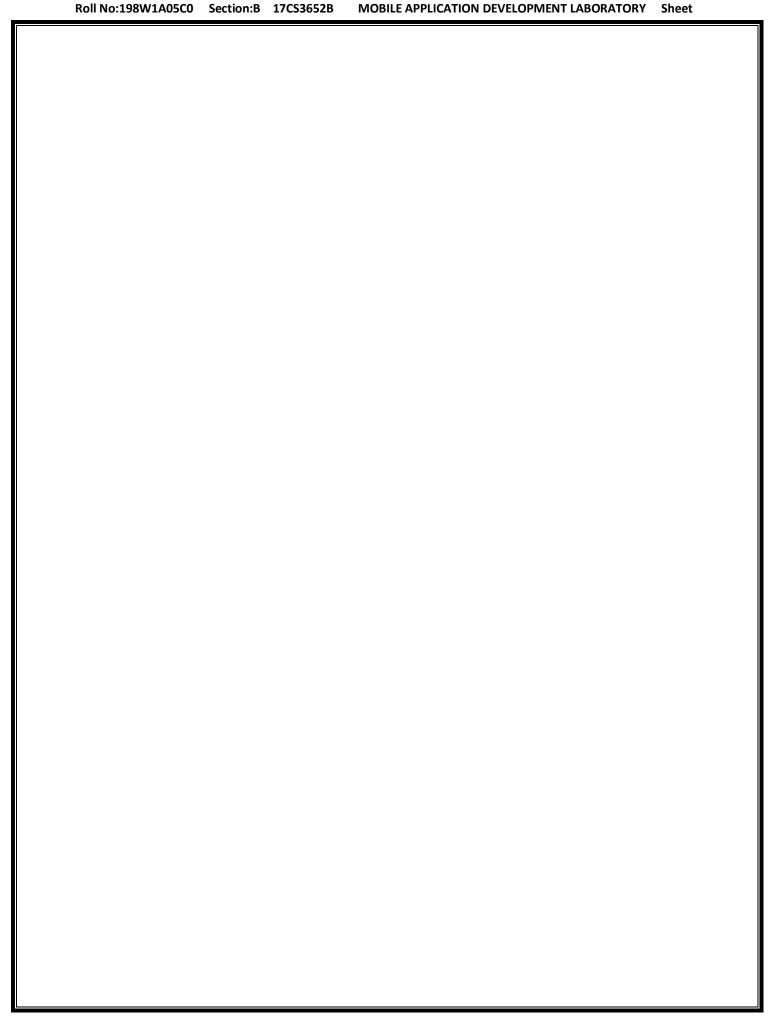
```
android:id="@+id/sb green"
        android:layout marginTop="16dp"
        android:max="255"
        android:progressTint="#00FF00"
        android:thumbTint="#00FF00"
        />
    <SeekBar
        android:layout width="match parent"
        android:layout height="wrap content"
        android:id="@+id/sb blue"
        android:layout marginTop="16dp"
        android:max="255"
        android:progressTint="#0000FF"
        android:thumbTint="#0000FF"
        />
</LinearLayout>
```

Output:



Result:

Demonstration input controls available in android were done successfully.



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