Program 2:

Create an application to concatenate two given Strings. (Consider changing the color of the result string to GREEN*)

XML Code:

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:background="#FF9800"
    android:orientation="vertical"
    android:weightSum="1">

    <LinearLayout
        android:id="@+id/linearLayout1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="10pt"
        android:layout_marginTop="3pt"
        android:layout_marginRight="10pt">

        <EditText
            android:id="@+id/etNum1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginRight="5pt"
            android:layout_weight="1"
            android:background="#FFF7F7"
            android:inputType="text"></EditText>

        <EditText
```

```xml
        android:id="@+id/etNum2"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:layout_marginLeft="5pt"

        android:layout_weight="1"

        android:background="#F1EAEA"

        android:inputType="text"></EditText>

</LinearLayout>


<LinearLayout

    android:id="@+id/linearLayout2"

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:layout_marginLeft="5pt"

    android:layout_marginTop="3pt"

    android:layout_marginRight="5pt">


    <Button

        android:id="@+id/btnAdd"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:text="Concatenate"

        android:textSize="8pt"></Button>

</LinearLayout>


<TextView

    android:id="@+id/tvResult"

    android:layout_width="match_parent"

    android:layout_height="wrap_content"
```

android:layout_marginLeft="5pt"

android:layout_marginTop="3pt"

android:layout_marginRight="5pt"

android:layout_weight="0.07"

android:background="#FFFFFF"

android:gravity="center_horizontal"

android:textColor="#4CAF50"

android:textSize="12pt"></TextView>

</LinearLayout>

JAVA File:

package com.example.strconcat;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.text.TextUtils;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity implements View.OnClickListener{

    EditText etNum1;

    EditText etNum2;

    Button btnAdd;

    TextView tvResult;

    @Override

    public void onCreate(Bundle savedInstanceState) {

      super.onCreate(savedInstanceState);

```java
setContentView(R.layout.activity_main);



etNum1 = (EditText) findViewById(R.id.etNum1);

etNum2 = (EditText) findViewById(R.id.etNum2);


btnAdd = (Button) findViewById(R.id.btnAdd);



tvResult = (TextView) findViewById(R.id.tvResult);



btnAdd.setOnClickListener(this);


}

@Override
public void onClick(View v) {
    // TODO Auto-generated method stub
    String s1 = " ";
    String s2 = " ";
    String result = " ";


    if (TextUtils.isEmpty(etNum1.getText().toString())
            || TextUtils.isEmpty(etNum2.getText().toString())) {
        return;
    }
```

```
        s1 = etNum1.getText().toString();

        s2 = etNum2.getText().toString();

        result = s1+s2;

        tvResult.setText(result);

    }

}
```

Output: