Program 2.

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

MainActivity.java

```java
package com.example.strcat;

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 etStr1;
    EditText etStr2;
    Button btnAdd;
    TextView tvResult;
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        etStr1 = (EditText) findViewById(R.id.etStr1);
        etStr2 = (EditText) findViewById(R.id.etStr2);
        btnAdd = (Button) findViewById(R.id.btnAdd);
        tvResult = (TextView) findViewById(R.id.tvResult);

        btnAdd.setOnClickListener(this);
    }

    @Override
    public void onClick(View v) {
        String str1 = "";
        String str2 = "";
        String result = "";

        if (TextUtils.isEmpty(etStr1.getText().toString())
                || TextUtils.isEmpty(etStr2.getText().toString())) {
            return;
        }
        str1 = etStr1.getText().toString();
        str2 = etStr2.getText().toString();

        switch (v.getId()) {
            case R.id.btnAdd:
                result = str1 + str2;
                break;
```

```java
                default:
                    break;
            }
            tvResult.setText(result);

        }
}
```

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:weightSum="1">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/linearLayout1"
        android:layout_marginLeft="10pt"
        android:layout_marginRight="10pt"
        android:layout_marginTop="3pt">
        <EditText
            android:layout_weight="1"
            android:layout_height="wrap_content"
            android:layout_marginRight="5pt"
            android:id="@+id/etStr1"
            android:layout_width="match_parent"
            android:inputType="text">
        </EditText>
        <EditText
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:layout_marginLeft="5pt"
            android:id="@+id/etStr2"
            android:layout_width="match_parent"
            android:inputType="text">
        </EditText>
    </LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/linearLayout2"
        android:layout_marginTop="3pt"
        android:layout_marginLeft="5pt"
        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:gravity="center_horizontal"
        android:textColor="#4CAF50"
        android:textSize="12pt"></TextView>
</LinearLayout>
```

OUTPUT :