

Program 2:

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

ACTIVITY MAIN.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:layout_height="wrap_content"
        android:layout_width="match_parent"
        android:layout_weight="1"
        android:text="Concatenate"
        android:textSize="8pt"
        android:id="@+id/btnCon">

    </Button>
</LinearLayout>
<TextView
    android:layout_height="wrap_content"
    android:layout_width="match_parent"
    android:layout_marginLeft="5pt"
    android:layout_marginRight="5pt"
    android:textSize="12pt"
    android:layout_marginTop="3pt"
    android:id="@+id/tvResult"
    android:gravity="center_horizontal"
    android:layout_weight="0.07"
    android:textColor="#008000">
```

```
</TextView>
```

```
</LinearLayout>
```

MainActivity.java

```
package com.example.concantenation;
```

```
import android.os.Bundle;
```

```
import android.text.TextUtils;
```

```
import android.view.View;
```

```
import android.widget.Button;
```

```
import android.widget.EditText;
```

```
import android.widget.TextView;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
public class MainActivity extends AppCompatActivity implements View.OnClickListener{
```

```
    EditText etStr1;
```

```
    EditText etStr2;
```

```
    Button btnCon;
```

```
    TextView tvResult;
```

```
    /** Called when the activity is first created. */
```

```
    @Override
```

```
    public void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

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

```
        // find the elements
```

```
        etStr1 = (EditText) findViewById(R.id.etStr1);
```

```
etStr2 = (EditText) findViewById(R.id.etStr2);

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

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

// set a listener
btnCon.setOnClickListener(this);

}

@Override
public void onClick(View v) {
    // TODO Auto-generated method stub
    String str1;
    String str2;
    String result;
    // check if the fields are empty
    if (TextUtils.isEmpty(etStr1.getText().toString())
        || TextUtils.isEmpty(etStr2.getText().toString())) {
        return;
    }
    str1=etStr1.getText().toString();
    str2=etStr2.getText().toString();
    result=str1+" "+ str2;
    // form the output line
    tvResult.setText(result);
}
}
```

OUTPUT

