

MOBILE APPLICATION DEVELOPMENT LAB

Program 2

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

Java Code

```
package com.example.concatenate;

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);

        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);
}
}

```

XML code

```

<?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

            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>
```

Output

