Flames

Xml code

```
<?xml version="1.0" encoding="utf-8"?>
< Relative Layout xmlns: android="http://schemas.android.com/apk/res/android"
  xmlns:tools="http://schemas.android.com/tools"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  android:layout_centerVertical="true"
  android:paddingBottom="@dimen/activity vertical margin"
  android:paddingLeft="@dimen/activity horizontal margin"
  android:paddingRight="@dimen/activity_horizontal_margin"
  android:paddingTop="@dimen/activity_vertical_margin"
  android:visibility="visible"
  android:background="@mipmap/f"
  tools:context="com.example.madhan.flames.MainActivity">
  <TextView
    android:id="@+id/t1"
    android:textColor="#000"
    android:textStyle="italic"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:layout_above="@+id/e1"
    android:layout centerHorizontal="true"
    android:layout_marginBottom="22dp"
    android:fontFamily="casual"
    android:gravity="center horizontal"
    android:text="Your Name"
    android:textAppearance="@style/TextAppearance.AppCompat"
    android:textSize="@dimen/activity horizontal margin"/>
  <Button
    android:id="@+id/b1"
    style="@android:style/Widget.DeviceDefault.Light.Button"
    android:layout_width="100dp"
    android:layout_height="50dp"
    android:layout_alignBottom="@+id/re"
    android:layout alignEnd="@+id/t1"
    android:layout_marginBottom="100dp"
    android:background="@drawable/b1"
    android:gravity="center"
    android:text="calculate"
    android:visibility="visible"/>
  <EditText
    android:id="@+id/e2"
    android:layout width="180dp"
    android:layout_height="50dp"
    android:layout_above="@+id/b1"
```

```
android:layout_centerHorizontal="true"
    android:layout marginBottom="40dp"
    android:width="150dp"
    android:background="@drawable/button"
    android:ems="10"
    android:gravity="center"
    android:hint="partner name"
    android:inputType="textPersonName"/>
  <TextView
    android:id="@+id/t2"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:layout_above="@+id/e2"
    android:layout centerHorizontal="true"
    android:layout marginBottom="25dp"
    android:fontFamily="casual"
    android:textColor="#000"
    android:textStyle="italic"
    android:text="Partner Name"
    android:textAppearance="@style/TextAppearance.AppCompat"
    android:textSize="@dimen/activity horizontal margin"/>
  <TextView
    android:id="@+id/re"
    android:layout_width="250dp"
    android:layout height="80dp"
    android:layout alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout marginBottom="22dp"
    android:layout_marginTop="40dp"
    android:background="@drawable/button"
    android:gravity="center"
    android:textAppearance="@style/TextAppearance.AppCompat.Body2"
    android:textSize="@dimen/activity_horizontal_margin"/>
  <EditText
    android:id="@+id/e1"
    android:layout width="180dp"
    android:layout_height="50dp"
    android:layout_above="@+id/t2"
    android:layout alignStart="@+id/e2"
    android:layout_marginBottom="47dp"
    android:background="@drawable/button"
    android:ems="10"
    android:gravity="center"
    android:hint="name"
    android:inputType="textPersonName"/>
</RelativeLayout>
```

Java Code

```
package com.example.madhan.flames;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
public class Welcome extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        final Button b = (Button) findViewById(R.id.b1);
        final EditText e1 = (EditText) findViewById(R.id.e1);
        final EditText e2 = (EditText) findViewById(R.id.e2);
        final TextView t = (TextView) findViewById(R.id.re);
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String boy = e1.getText().toString();
                String girl = e2.getText().toString();
                if (boy.isEmpty() | |girl.isEmpty()) {
                    Toast.makeText(Welcome.this, "Invalid inputs",
Toast. LENGTH SHORT) . show();
                }else {
                    String res = " ";
                    int i, j;
                    char b[] = boy.toCharArray();
                    char g[] = girl.toCharArray();
                    for (i = 0; i < b.length; i++) {</pre>
                         for (j = 0; j < g.length; j++) {</pre>
                             if (b[i] == g[j]) {
                                 b[i] = ' ';
                                 g[j] = ' ';
                             }
                         }
                    res = String.valueOf(b) + String.valueOf(g);
                    res = res.replaceAll(" ", "").trim();
                    int f = 6, r, ind1 = 0, ind2 = 0;
                    i = 0;
                    char s[] = "flames".toCharArray();
                    char result = 0;
                    while (i < 6) {
                        String ss = "";
                         r = res.length() % f;
                        if (r == 0) {
                             s[s.length - 1] = '0';
                             ind1 = s.length - 1;
                             for (j = 0; j < ind1; j++) {</pre>
                                 ss += s[j];
                         } else {
                             s[r - 1] = '0';
```

```
ind2 = r - 1;
                         for (j = ind2 + 1; j < s.length; j++) {</pre>
                            ss += s[j];
                         for (j = 0; j < ind2; j++)</pre>
                            ss += s[j];
                     }
                     s = ss.toCharArray();
                     i++;
                     f--;
                     if (i == 5)
                        result = ss.charAt(0);
                 String msg = " ";
                 switch (result) {
                     case 'f':
                        t.setText("friends");
                        break;
                     case 'l':
                        t.setText("lovable");
                         break;
                     case 'a':
                         t.setText("Affection");
                         break;
                     case 'm':
                        t.setText("Marriage");
                        break;
                     case 'e':
                         t.setText("Enemy");
                         break;
                     default:
                        t.setText("Saddiest");
                }
           }
    });
}
```





