Screen Shots

Flames

Xml code

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
```

```xml
        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>
```

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Java Code

```java
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++) {
                        for (j = 0; j < g.length; j++) {
                            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++) {
                                ss += s[j];
                            }
                        } else {
                            s[r - 1] = '0';
```

```java
                    ind2 = r - 1;
                    for (j = ind2 + 1; j < s.length; j++) {
                        ss += s[j];
                    }
                    for (j = 0; j < ind2; j++)
                        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");
            }
        }
    }
});

    }
}
```

Screen Shots

Flames

Your Name

name

Partner Name

partner name

CALCULATE

Your Name

madhan

Partner Name

swetha

CALCULATE

Affection