

PRACTICAL-2

AIM:

Create an android application to calculate sum of two numbers and gives result in Toast Message.

SOURCE CODE:**activity_calculator.xml**

```
<?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:orientation="vertical" >

    <TextView
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:text="Addition of 2 number"
        android:gravity="center" />

    <EditText
        android:id="@+id/editText1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:inputType="textPersonName" >

        <requestFocus />
    </EditText>

    <EditText
        android:id="@+id/editText2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:inputType="textPersonName" />

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="ADD" />

    <TextView
        android:id="@+id/textView1"
```

```
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Large Text"
        android:textAppearance="?android:attr/textAppearanceLarge" />
</LinearLayout>
```

Calculator.java

```
package in.ac.charusat.cspit.it.prac2;

import android.app.Activity;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class Calculator extends Activity
{
    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_calculator);

        Button btn = (Button)findViewById(R.id.button1);
        final EditText et1 = (EditText)findViewById(R.id.editText1);
        final EditText et2 = (EditText)findViewById(R.id.editText2);
        final TextView result = (TextView)findViewById(R.id.textView1);
        btn.setOnClickListener(new OnClickListener()
        {

            @Override
            public void onClick(View v)
            {
                int x = new Integer(et1.getText().toString());
                int y = new Integer(et2.getText().toString());
                int sum = x + y;
```

```
        result.setText("The Sum of "+x+" and "+y+" is "+sum);
    }
    });
}
}
```

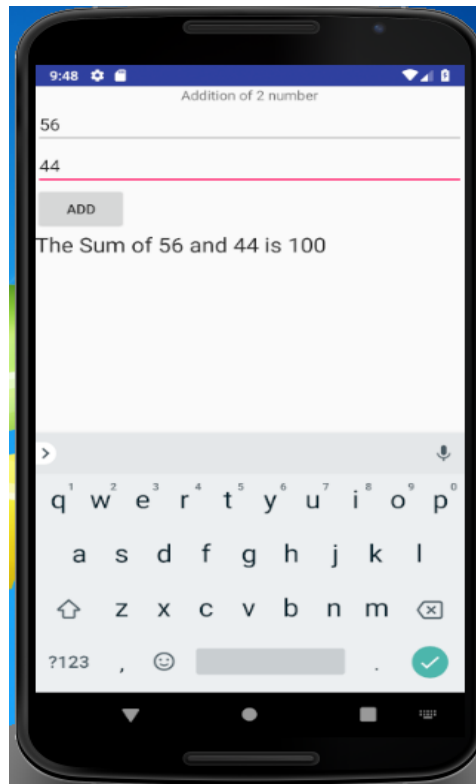
AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="in.ac.charusat.cspit.it.prac2">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".Calculator">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

OUTPUT:**Conclusion:**

We successfully completed creating calculator of adding two numbers using android.