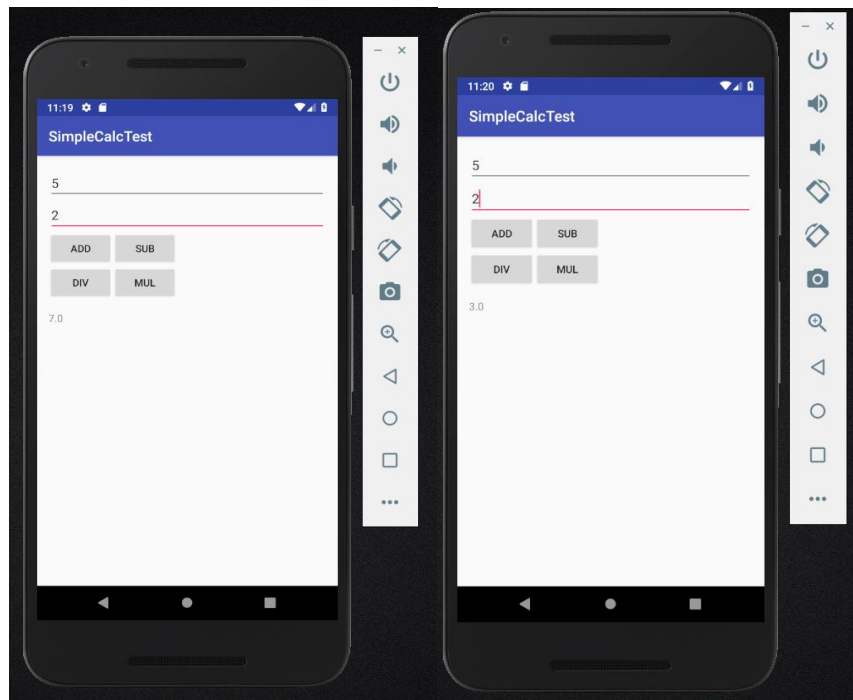


Nama : BUGI SETIAWAN  
NIM : A11.2016.09358  
Kelp : A11.4501 / Pemrograman Perangkat Bergerak

## DOKUMENTASI PERTEMUAN 3

### 1. Simple Calculator

Hasil Program :



Kode Program :

#### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:orientation="vertical"
    >

    <EditText android:id="@+id/operand_one_edit_text"
        android:hint="@string/type_operand_one_hint"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:inputType="numberDecimal|numberSigned"/>

    <EditText android:id="@+id/operand_two_edit_text"
        android:hint="@string/type_operand_two_hint"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:inputType="numberDecimal|numberSigned"/>
```

```

<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <Button android:id="@+id/operation_add_btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/add_operation_text"
        android:onClick="onAdd"/>

    <Button android:id="@+id/operation_sub_btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/sub_operation_text"
        android:layout_toRightOf="@id/operation_add_btn"
        android:layout_toEndOf="@id/operation_add_btn"
        android:onClick="onSub"/>

    <Button android:id="@+id/operation_div_btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/div_operation_text"
        android:layout_below="@id/operation_add_btn"
        android:onClick="onDiv"/>

    <Button android:id="@+id/operation_mul_btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/mul_operation_text"
        android:layout_below="@id/operation_add_btn"
        android:layout_toRightOf="@id/operation_add_btn"
        android:layout_toEndOf="@id/operation_add_btn"
        android:onClick="onMul"/>

</RelativeLayout>

<TextView android:id="@+id/operation_result_text_view"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="@dimen/activity_vertical_margin"/>

</LinearLayout>

```

## Strings.xml

```

<resources>
    <!-- Title of app -->
    <string name="app_name">SimpleCalcTest</string>

    <!-- Hint for first operand EditText -->
    <string name="type_operand_one_hint">Type Operand 1</string>

    <!-- Hint for second operand EditText -->
    <string name="type_operand_two_hint">Type Operand 2</string>

    <!-- Button label for add operation -->
    <string name="add_operation_text">Add</string>

    <!-- Button label for subtract operation -->
    <string name="sub_operation_text">Sub</string>

    <!-- Button label for divide operation -->
    <string name="div_operation_text">Div</string>

    <!-- Button label for mul operation -->
    <string name="mul_operation_text">Mul</string>

    <!-- Message for textview in case of errors -->
    <string name="computationError">Error</string>

</resources>

```

## Dimens.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <dimen name="activity_vertical_margin">16dp</dimen>
    <dimen name="activity_horizontal_margin">16dp</dimen>
</resources>
```

## MainActivty.java

```
package android.example.com.simplecalc;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Button;

public class MainActivity extends AppCompatActivity {

    private static final String TAG = "CalculatorActivity";

    private Calculator mCalculator;

    private EditText mOperandOneEditText;
    private EditText mOperandTwoEditText;

    private TextView mResultTextView;

    /**
     * Initializes the activity.
     *
     * @param savedInstanceState The current state data
     */
    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        // Initialize the calculator class and all the views
        mCalculator = new Calculator();
        mResultTextView = (TextView) findViewById(R.id.operation_result_text_view);
        mOperandOneEditText = (EditText) findViewById(R.id.operand_one_edit_text);
        mOperandTwoEditText = (EditText) findViewById(R.id.operand_two_edit_text);
    }

    /**
     * OnClick method that is called when the add {@link Button} is pressed.
     */
    public void onAdd(View view) {
        compute(Calculator.Operator.ADD);
    }

    /**
     * OnClick method that is called when the subtract {@link Button} is pressed.
     */
    public void onSub(View view) {
        compute(Calculator.Operator.SUB);
    }

    /**
     * OnClick method that is called when the divide {@link Button} is pressed.
     */
    public void onDiv(View view) {
        try {
            compute(Calculator.Operator.DIV);
        } catch (IllegalArgumentException iae) {
            Log.e(TAG, "IllegalArgumentException", iae);
            mResultTextView.setText(getString(R.string.computationError));
        }
    }
}
```

```

}

/**
 * OnClick method that is called when the multiply {@link Button} is pressed.
 */
public void onMul(View view) {
    compute(Calculator.Operator.MUL);
}

private void compute(Calculator.Operator operator) {
    double operandOne;
    double operandTwo;
    try {
        operandOne = getOperand(mOperandOneEditText);
        operandTwo = getOperand(mOperandTwoEditText);
    } catch (NumberFormatException nfe) {
        Log.e(TAG, "NumberFormatException", nfe);
        mResultTextView.setText(getString(R.string.computationError));
        return;
    }

    String result;
    switch (operator) {
        case ADD:
            result = String.valueOf(mCalculator.add(operandOne, operandTwo));
            break;
        case SUB:
            result = String.valueOf(mCalculator.sub(operandOne, operandTwo));
            break;
        case DIV:
            result = String.valueOf(mCalculator.div(operandOne, operandTwo));
            break;
        case MUL:
            result = String.valueOf(mCalculator.mul(operandOne, operandTwo));
            break;
        default:
            result = getString(R.string.computationError);
            break;
    }
    mResultTextView.setText(result);
}

/**
 * @return the operand value which was entered in an {@link EditText} as a double
 */
private static Double getOperand(EditText operandEditText) {
    String operandText = getOperandText(operandEditText);
    return Double.valueOf(operandText);
}

/**
 * @return the operand text which was entered in an {@link EditText}.
 */
private static String getOperandText(EditText operandEditText) {
    return operandEditText.getText().toString();
}
}

```

## Calculator.java

```

package android.example.com.simplecalc;

class Calculator
{
    // Available operations
    public enum Operator {ADD, SUB, DIV, MUL}

    /**
     * Addition operation
     */
    public double add(double firstOperand, double secondOperand) {
        return firstOperand + secondOperand;
    }
}

```

```

/**
 * Subtract operation
 */
public double sub(double firstOperand, double secondOperand) {
    return firstOperand - secondOperand;
}

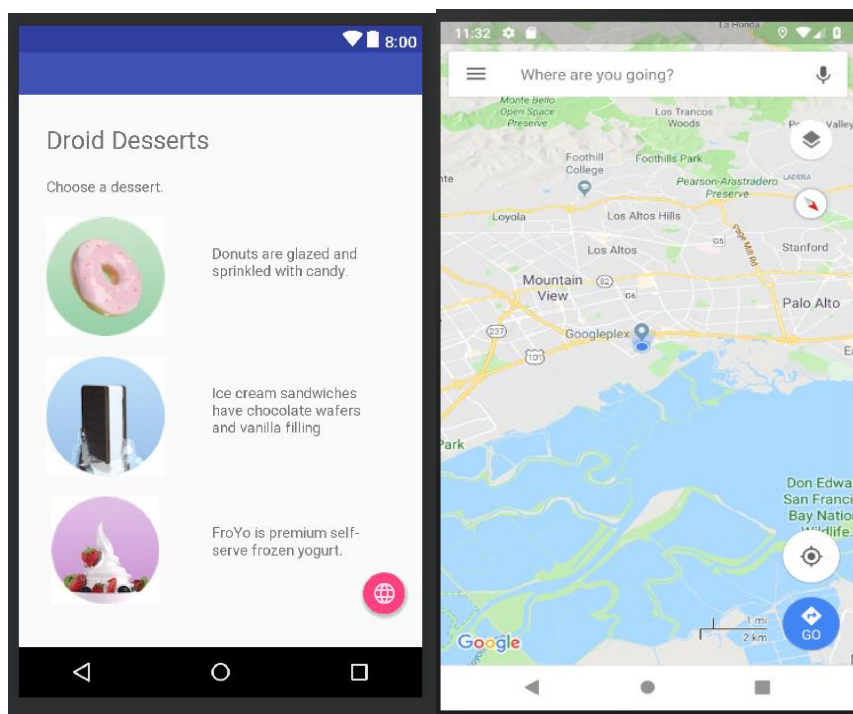
/**
 * Divide operation
 */
public double div(double firstOperand, double secondOperand) {
    return firstOperand / secondOperand;
}

/**
 * Multiply operation
 */
public double mul(double firstOperand, double secondOperand) {
    return firstOperand * secondOperand;
}
}

```

## 2. DROID CAFÉ PART 1

Hasil Program :



Kode Program :

### Activity\_main.xml

```

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

<android.support.design.widget.CoordinatorLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:context=".MainActivity">

    <android.support.design.widget.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"

```

```

        android:theme="@style/AppTheme.AppBarOverlay">

        <android.support.v7.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:background="?attr/colorPrimary"
            app:popupTheme="@style/AppTheme.PopupOverlay" />

    </android.support.design.widget.AppBarLayout>

    <include layout="@layout/content_main" />

    <android.support.design.widget.FloatingActionButton
        android:id="@+id/fab"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="bottom|end"
        android:layout_margin="@dimen/fab_margin"
        app:srcCompat="@drawable/ic_map" />

</android.support.design.widget.CoordinatorLayout>

```

## Content\_main.xml

```

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

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/content_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:context=".MainActivity"
    tools:showIn="@layout/activity_main">

    <TextView
        android:id="@+id/textintro"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="@dimen/text_heading"
        android:padding="@dimen/padding_regular"
        android:text="@string/intro_text" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="@dimen/padding_regular"
        android:id="@+id/choose_dessert"
        android:layout_below="@id/textintro"
        android:text="@string/choose_a_dessert"/>

    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="@dimen/padding_regular"
        android:id="@+id/donut"
        android:layout_below="@id/choose_dessert"
        android:contentDescription="@string/donuts"
        android:src="@drawable/donut_circle"
        android:onClick="showDonutOrder"/>

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="@dimen/padding_wide"
        android:layout_below="@id/choose_dessert"

```

```

        android:layout_toRightOf="@id/donut"
        android:text="@string/donuts"/>

<ImageView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:padding="@dimen/padding_regular"
    android:id="@+id/ice_cream"
    android:layout_below="@id/donut"
    android:contentDescription="@string/ice_cream_sandwiches"
    android:src="@drawable/icecream_circle"
    android:onClick="showIceCreamOrder"/>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:padding="@dimen/padding_wide"
    android:layout_below="@id/donut"
    android:layout_toRightOf="@id/ice_cream"
    android:text="@string/ice_cream_sandwiches"/>

<ImageView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:padding="@dimen/padding_regular"
    android:id="@+id/froyo"
    android:layout_below="@id/ice_cream"
    android:contentDescription="@string/froyo"
    android:src="@drawable/froyo_circle"
    android:onClick="showFroyoOrder"/>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:padding="@dimen/padding_wide"
    android:layout_below="@id/ice_cream"
    android:layout_toRightOf="@id/froyo"
    android:text="@string/froyo"/>

</RelativeLayout>

```

## Strings.xml

```

<resources>
    <string name="app_name">Droid Cafe</string>
    <string name="action_settings">Settings</string>
    <string name="intro_text">Droid Desserts</string>
    <string name="choose a dessert">Choose a dessert.</string>
    <string name="donuts">Donuts are glazed and sprinkled with candy.</string>
    <string name="ice_cream_sandwiches">Ice cream sandwiches have
        chocolate wafers and vanilla filling</string>
    <string name="froyo">FroYo is premium self-serve frozen yogurt.</string>
    <string name="donut_order_message">You ordered a donut.</string>
    <string name="ice_cream_order_message">You ordered an ice cream sandwich.</string>
    <string name="froyo_order_message">You ordered a FroYo.</string>
</resources>

```

## Dimens.xml

```

<resources>
    <!-- Default screen margins, per the Android Design guidelines. -->
    <dimen name="activity_horizontal_margin">16dp</dimen>
    <dimen name="activity_vertical_margin">16dp</dimen>
    <dimen name="fab_margin">16dp</dimen>
    <dimen name="text_heading">24sp</dimen>
    <dimen name="padding_regular">10dp</dimen>
    <dimen name="padding_wide">35dp</dimen>
    <dimen name="text_margin_bottom">6dp</dimen>
    <dimen name="text_margin_top">24dp</dimen>
    <dimen name="intro_text_size">18sp</dimen>
</resources>

```

## MainActivty.java

```
package android.example.com.droidcafe;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.support.design.widget.FloatingActionButton;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity
{
    /**
     * Creates the content view, the toolbar, and
     * the floating action button.
     * This method is provided in the Basic Activity template.
     *
     * @param savedInstanceState Saved instance.
     */
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);

        FloatingActionButton fab = (FloatingActionButton) findViewById(R.id.fab);
        fab.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                displayMap();
            }
        });
    }

    /**
     * Inflates the menu, and adds items to the action bar if it is present.
     *
     * @param menu Menu to inflate.
     * @return Returns true if the menu inflated.
     */
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu_main, menu);
        return true;
    }

    /**
     * Handles app bar item clicks.
     *
     * @param item Item clicked.
     * @return True if one of the defined items was clicked.
     */
    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        // Handle app bar item clicks here. The app bar will
        // automatically handle clicks on the Home/Up button, so long
        // as you specify a parent activity in AndroidManifest.xml.
        switch (item.getItemId()) {
            case R.id.action_order:
                displayToast(getString(R.string.action_order_message));
                return true;
            case R.id.action_status:
                displayToast(getString(R.string.action_status_message));
                return true;
            case R.id.action_favorites:
                displayToast(getString(R.string.action_favorites_message));
                return true;
            case R.id.action_contact:

```



```

        displayToast(getString(R.string.action_contact_message));
        return true;
    default:
        // Do nothing
    }
    return super.onOptionsItemSelected(item);
}

/**
 * Shows a message that the donut image was clicked.
 */
public void showDonutOrder(View view) {
    showFoodOrder(getString(R.string.donut_order_message));
}

/**
 * Shows a message that the ice cream sandwich image was clicked.
 */
public void showIceCreamOrder(View view) {
    showFoodOrder(getString(R.string.ice_cream_order_message));
}

/**
 * Shows a message that the froyo image was clicked.
 */
public void showFroyoOrder(View view) {
    showFoodOrder(getString(R.string.froyo_order_message));
}

/**
 * Displays a Toast message for the food order and starts the OrderActivity activity.
 *
 * @param message Message to display.
 */
public void showFoodOrder(String message) {
    displayToast(message);
    Intent intent = new Intent(this, OrderActivity.class);
    startActivity(intent);
}

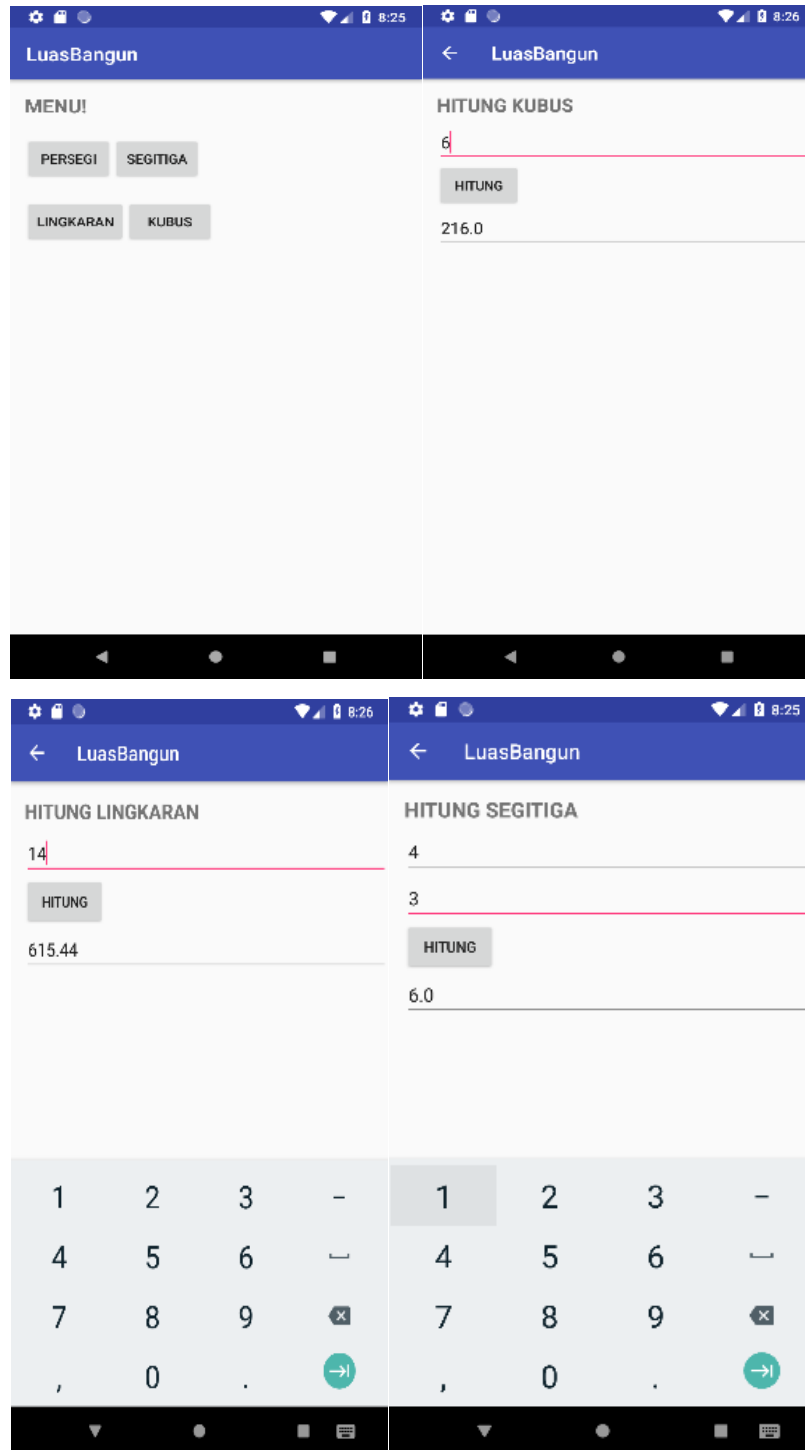
public void displayToast(String message) {
    Toast.makeText(getApplicationContext(), message, Toast.LENGTH_SHORT).show();
}

public void displayMap() {
    Intent intent = new Intent();
    intent.setAction(Intent.ACTION_VIEW);
    // Using the coordinates for Google headquarters.
    String data = getString(R.string.google_mtv_coord_zoom12);
    intent.setData(Uri.parse(data));
    if (intent.resolveActivity(getPackageManager()) != null) {
        startActivity(intent);
    }
}
}

```

### 3. Luas Bangun

Hasil Program :



Kode Program :

#### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:paddingTop="15dp"
    android:paddingLeft="15dp">
```

```

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/textmenu1"
    android:text="MENU!"
    android:textSize="20dp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@id/textmenu1"
    android:paddingTop="20dp"
    android:id="@+id/linearpertama"
    android:orientation="horizontal">
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/buttonpersegi"
        android:text="PERSEGI"
        android:onClick="launchpersegi"/>
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/buttonsegitiga"
        android:text="SEGITIGA"
        android:onClick="launchsegitiga"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@id/linearpertama"
    android:paddingTop="20dp"
    android:id="@+id/linearkedua"
    android:orientation="horizontal">
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/buttonlingkaran"
        android:text="LINGKARAN"
        android:onClick="launchlingkaran"/>
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/buttonkubus"
        android:text="KUBUS"
        android:onClick="launchkubus"/>
</LinearLayout>
</RelativeLayout>

```

## Activity\_persergi.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".ActivityPersegi"
    android:paddingTop="15dp"
    android:paddingLeft="15dp">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/textviewheader"
        android:text="HITUNG PERSEGI"
        android:textStyle="bold"

```

```

        android:textSize="20dp"/>
<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/edittextsatu"
    android:layout_below="@+id/textviewheader"
    android:hint="Input angka pertama"
    android:inputType="numberDecimal|numberSigned"
    android:paddingTop="15dp"/>
<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/edittextdua"
    android:layout_below="@+id/edittextsatu"
    android:hint="Input angka kedua"
    android:inputType="numberDecimal|numberSigned"
    android:paddingTop="10dp"/>
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/edittextdua"
    android:id="@+id/hitungbtn"
    android:text="HITUNG"
    android:onClick="hitung"/>

<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/hasiltext"
    android:layout_below="@id/hitungbtn"
    android:text="hasil"/>
</RelativeLayout>

```

## Activity\_segitiga.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".ActivitySegitiga"
    android:paddingTop="15dp"
    android:paddingLeft="15dp">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/textviewheader"
        android:text="HITUNG SEGITIGA"
        android:textStyle="bold"
        android:textSize="20dp"/>

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/edittextsatu"
        android:layout_below="@+id/textviewheader"
        android:hint="Input ALAS"
        android:inputType="numberDecimal|numberSigned"
        android:paddingTop="15dp"/>

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/edittextdua"
        android:layout_below="@+id/edittextsatu"
        android:hint="Input TINGGI"
        android:inputType="numberDecimal|numberSigned"
        android:paddingTop="10dp"/>

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/edittextdua"
        android:id="@+id/hitungbtn"

```

```

        android:text="HITUNG"
        android:onClick="hitung"/>

<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/hasiltext"
    android:layout_below="@id/hitungbtn"
    android:text="hasil"/>

</RelativeLayout>

```

## Acitivity\_lingkaran.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".ActivityLingkaran"
    android:paddingTop="15dp"
    android:paddingLeft="15dp">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/textviewheader"
        android:text="HITUNG LINGKARAN"
        android:textStyle="bold"
        android:textSize="20dp"/>

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/edittextsatu"
        android:layout_below="@+id/textviewheader"
        android:hint="Input Jari - Jari"
        android:inputType="numberDecimal|numberSigned"
        android:paddingTop="15dp"/>

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/edittextsatu"
        android:id="@+id/hitungbtn"
        android:text="HITUNG"
        android:onClick="hitung"/>

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/hasiltext"
        android:layout_below="@id/hitungbtn"
        android:text="hasil"/>

</RelativeLayout>

```

## Activity\_kubus.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".ActivityKubus"
    android:paddingTop="15dp"
    android:paddingLeft="15dp">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/textviewheader"

```

```

        android:text="HITUNG KUBUS"
        android:textStyle="bold"
        android:textSize="20dp"/>
<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/edittextsatu"
    android:layout_below="@+id/textviewheader"
    android:hint="Input SISI"
    android:inputType="numberDecimal|numberSigned"
    android:paddingTop="15dp"/>
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/edittextsatu"
    android:id="@+id/hitungbtn"
    android:text="HITUNG"
    android:onClick="hitung"/>

<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/hasiltext"
    android:layout_below="@id/hitungbtn"
    android:text="hasil"/>
</RelativeLayout>

```

## ActivityPesergi.java

```

package com.example.android.luasbangun;

import android.nfc.Tag;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;

public class ActivityPersegi extends AppCompatActivity {
    private EditText operand1;
    private EditText operand2;
    private EditText result;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_persegi);
        result=(EditText) findViewById(R.id.hasiltext);
        operand1=(EditText) findViewById(R.id.edittextsatu);
        operand2=(EditText) findViewById(R.id.edittextdua);
    }

    public void hitung(View view){
        double operandsatu;
        double operanddua;
        operandsatu=Double.parseDouble(operand1.getText().toString());
        operanddua=Double.parseDouble(operand2.getText().toString());
        double hasil=operandsatu*operanddua;
        result.setText(String.valueOf(hasil));
    }
}

```

## ActivittySegitiga.java

```
package com.example.android.luasbangun;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;

public class ActivitySegitiga extends AppCompatActivity {
    private EditText operand1;
    private EditText operand2;
    private EditText result;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_segitiga);
        result=(EditText) findViewById(R.id.hasiltext);
        operand1=(EditText) findViewById(R.id.edittextsatu);
        operand2=(EditText) findViewById(R.id.edittextdua);
    }

    public void hitung(View view){
        double operandsatu;
        double operanddua;
        operandsatu=Double.parseDouble(operand1.getText().toString());
        operanddua=Double.parseDouble(operand2.getText().toString());
        double hasil=0.5*operandsatu*operanddua;
        result.setText(String.valueOf(hasil));
    }
}
```

## ActivityLingkaran.java

```
package com.example.android.luasbangun;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;

public class ActivityLingkaran extends AppCompatActivity {

    private EditText operand1;
    private EditText result;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_lingkaran);
        result=(EditText) findViewById(R.id.hasiltext);
        operand1=(EditText) findViewById(R.id.edittextsatu);
    }

    public void hitung(View view){
        double operandsatu;
        operandsatu=Double.parseDouble(operand1.getText().toString());

        double hasil=3.14*operandsatu*operandsatu;
        result.setText(String.valueOf(hasil));
    }
}
```

## ActivityKubus.java

```
package com.example.android.luasbangun;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;

public class ActivityKubus extends AppCompatActivity {

    private EditText operand1;
    private EditText result;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_kubus);
        result=(EditText) findViewById(R.id.hasiltext);
        operand1=(EditText) findViewById(R.id.edittextsatu);
    }

    public void hitung(View view){
        double operandsatu;
        operandsatu=Double.parseDouble(operand1.getText().toString());

        double hasil=6*(operandsatu*operandsatu);
        result.setText(String.valueOf(hasil));
    }
}
```

## MainActivity.java

```
package com.example.android.luasbangun;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void launchpersegi(View view){
        Intent intent=new Intent(this,ActivityPersegi.class);
        startActivity(intent);
    }
    public void launchsegitiga(View view){
        Intent intent=new Intent(this,ActivitySegitiga.class);
        startActivity(intent);
    }
    public void launchlingkaran(View view){
        Intent intent=new Intent(this,ActivityLingkaran.class);
        startActivity(intent);
    }
    public void launchkubus(View view){
        Intent intent=new Intent(this,ActivityKubus.class);
        startActivity(intent);
    }
}
```