

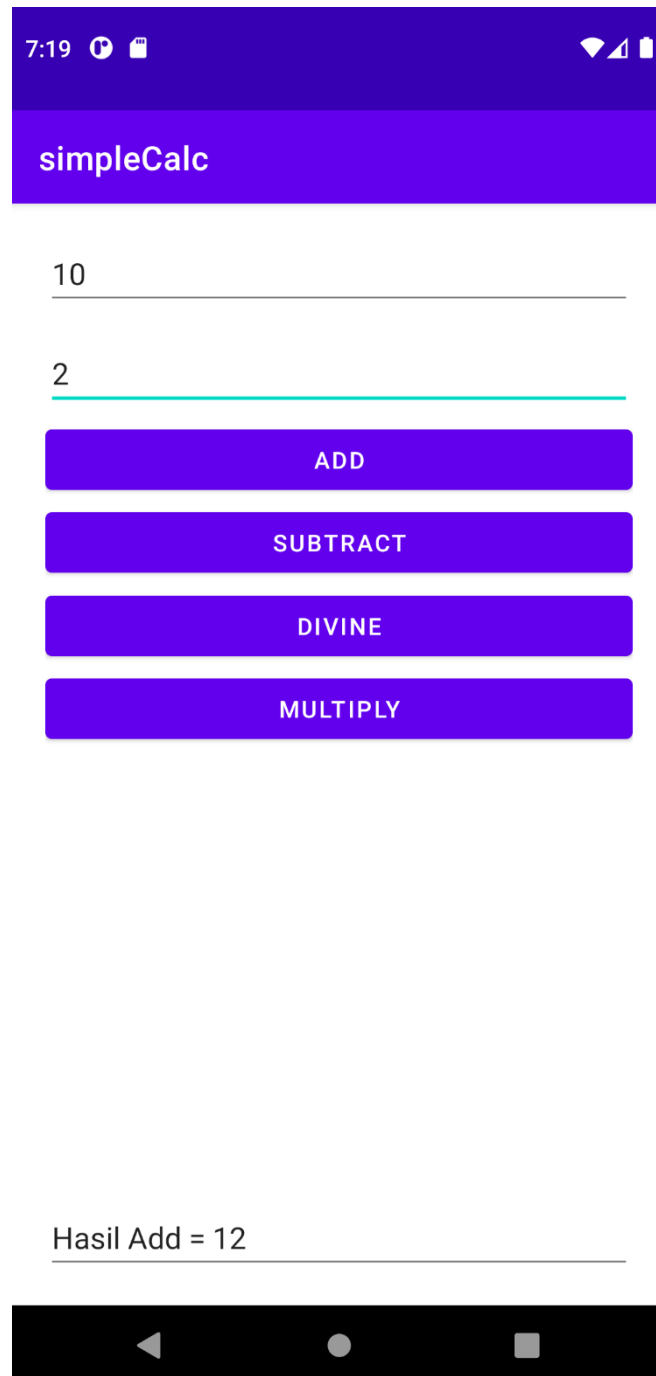
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Simple Calculator



Mainactivity.java

```
package com.example.simplecalc;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

    private EditText txt1;
    private EditText txt2;
    private EditText txt3;

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

        txt1 = (EditText) findViewById(R.id.number1);
        txt2 = (EditText) findViewById(R.id.number2);
        txt3 = (EditText) findViewById(R.id.number3);
    }

    public void Add(View v){

        int n1 = Integer.parseInt(txt1.getText().toString());
        int n2 = Integer.parseInt(txt2.getText().toString());
        int result = n1+n2;

        txt3.setText("Hasil Add = " + result);
    }

    public void Subtract(View v){

        int n1 = Integer.parseInt(txt1.getText().toString());
        int n2 = Integer.parseInt(txt2.getText().toString());
        int result = n1-n2;

        txt3.setText("Hasil Subtract= " + result);
    }

    public void Multiply(View v){

        int n1 = Integer.parseInt(txt1.getText().toString());
        int n2 = Integer.parseInt(txt2.getText().toString());
        int result = n1*n2;

        txt3.setText("Hasil Multiply= " + result);
    }

    public void Divine(View v){
        int n1 = Integer.parseInt(txt1.getText().toString());
        int n2 = Integer.parseInt(txt2.getText().toString());
        int result = n1/n2;

        txt3.setText("Hasil Divine= " + result);
    }
}
```

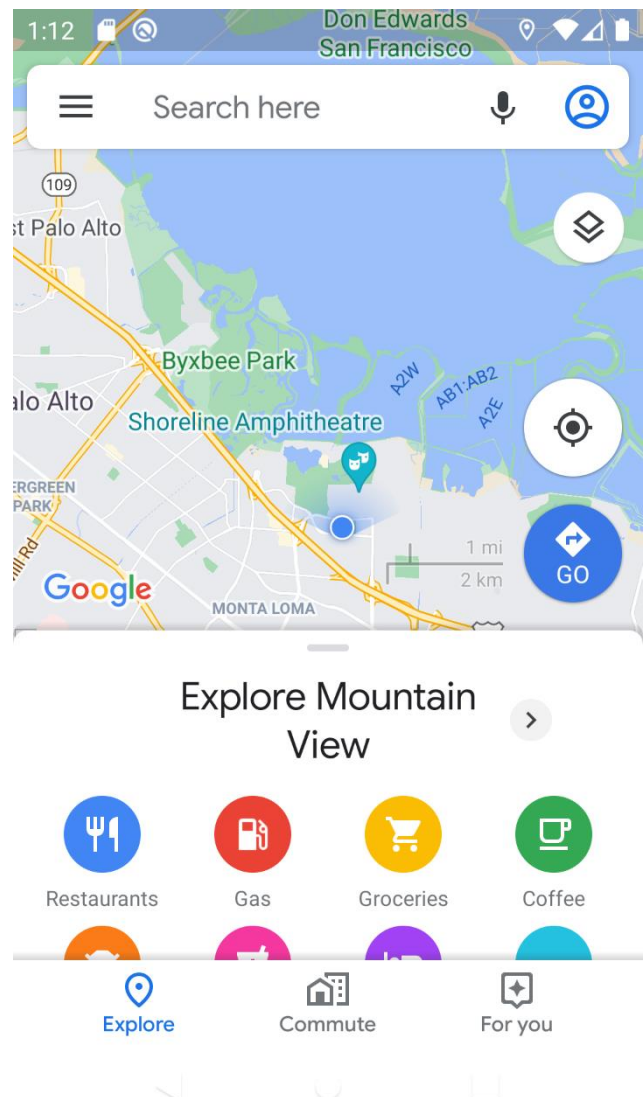
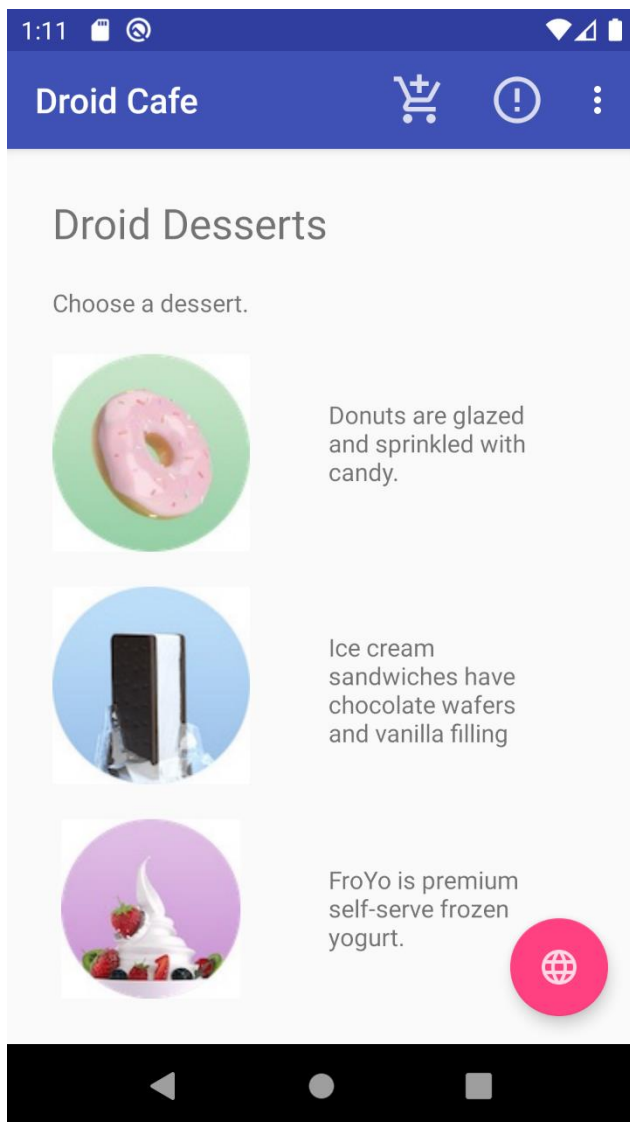
activities_main.xml

```
<?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"
    android:layout_marginHorizontal="20dp"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/number1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:inputType="number" />
    <EditText
        android:id="@+id/number2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="80dp"
        android:inputType="number" />
    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="130dp"
        android:text="ADD"
        android:onClick="Add"/>
    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="230dp"
        android:text="DIVINE"
        android:onClick="Divine"/>
    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="180dp"
        android:text="SUBTRACT"
        android:onClick="Substract"/>
    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="280dp"
        android:text="MULTIPLY"
        android:onClick="Multiply"/>
    <EditText
        android:id="@+id/number3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="600dp"
        android:inputType="number" />

</RelativeLayout>
```

Droid cafe



MainActivity.java

```
package com.example.android.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 { @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();

            }

        })
        ;

    }

    @Override

    public boolean onCreateOptionsMenu(Menu
        menu) {
```

```

getMenuInflater().inflate(R.menu.menu_main,
menu); return true;
}

@Override

public boolean onOptionsItemSelected(MenuItem item) {

    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_messag
e)); return true;

        case R.id.action_favorites:
            displayToast(getString(R.string.action_favorites_mess
age)); return true;

        case R.id.action_contact:
            displayToast(getString(R.string.action_contact_messa
ge)); return true;

        default:

    }

    return super.onOptionsItemSelected(item);
}

public void showDonutOrder(View view) {
    showFoodOrder(getString(R.string.donut_order_mess
age));
}

public void showIceCreamOrder(View view) {
    showFoodOrder(getString(R.string.ice_cream_order_mess
age));
}

public void showFroyoOrder(View view) {
    showFoodOrder(getString(R.string.froyo_order_mess
age));
}

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);

String data =
getString(R.string.google_mtv_coord_zoom12);
intent.setData(Uri.parse(data));

if (intent.resolveActivity(getPackageManager()) !=
    null) { startActivity(intent);

    }

}

}
}

```

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="com.example.android.droidcafe.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" />

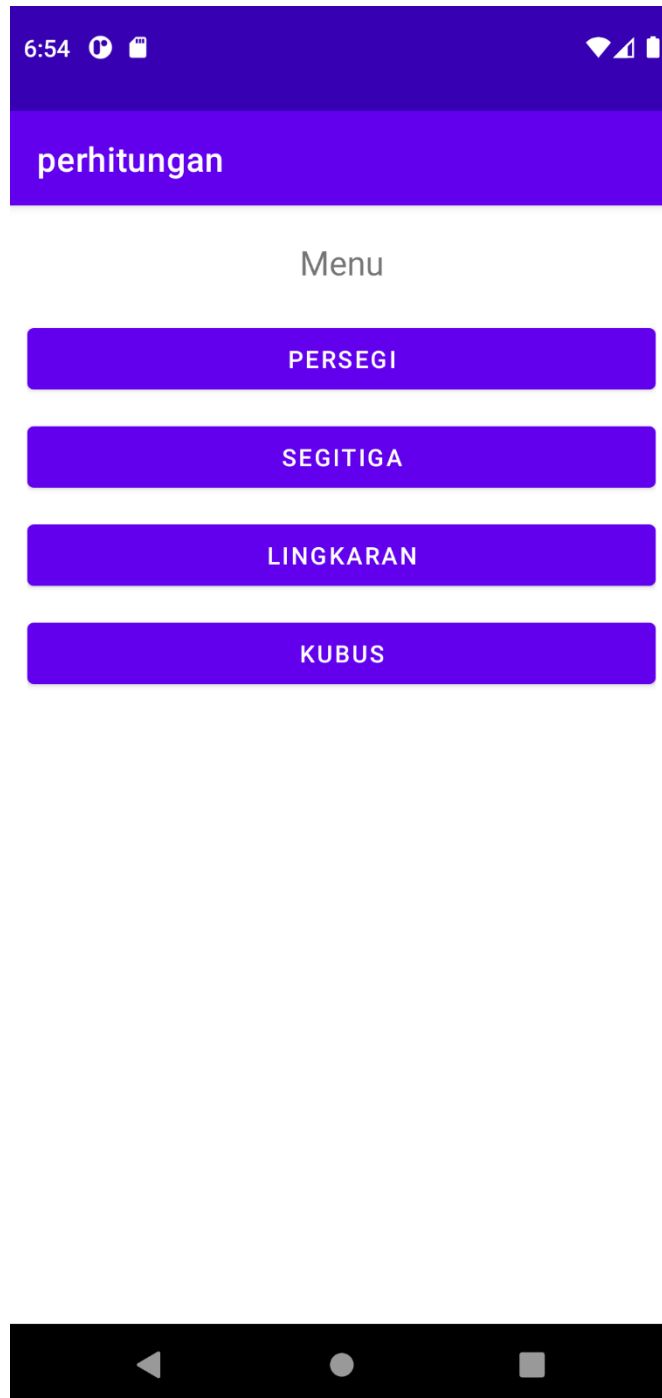
    <android.support.design.widget.FloatingActionButton
        android:id="@+id/fab"

```

```
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>
```


Perhitungan



Mainactivity.java

```
package com.example.perhitungan;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
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 openPersegi(View view){
        Intent i = new Intent(this, Persegi.class);
        startActivity(i);
    }

    public void openKubus(View view){
        Intent i = new Intent(this, kubus.class);
        startActivity(i);
    }

    public void openSegitiga(View view){
        Intent i = new Intent(this, segitiga.class);
        startActivity(i);
    }

    public void openLingkaran(View view){
        Intent i = new Intent(this, lingkaran.class);
        startActivity(i);
    }

}
```

activity_main.xml

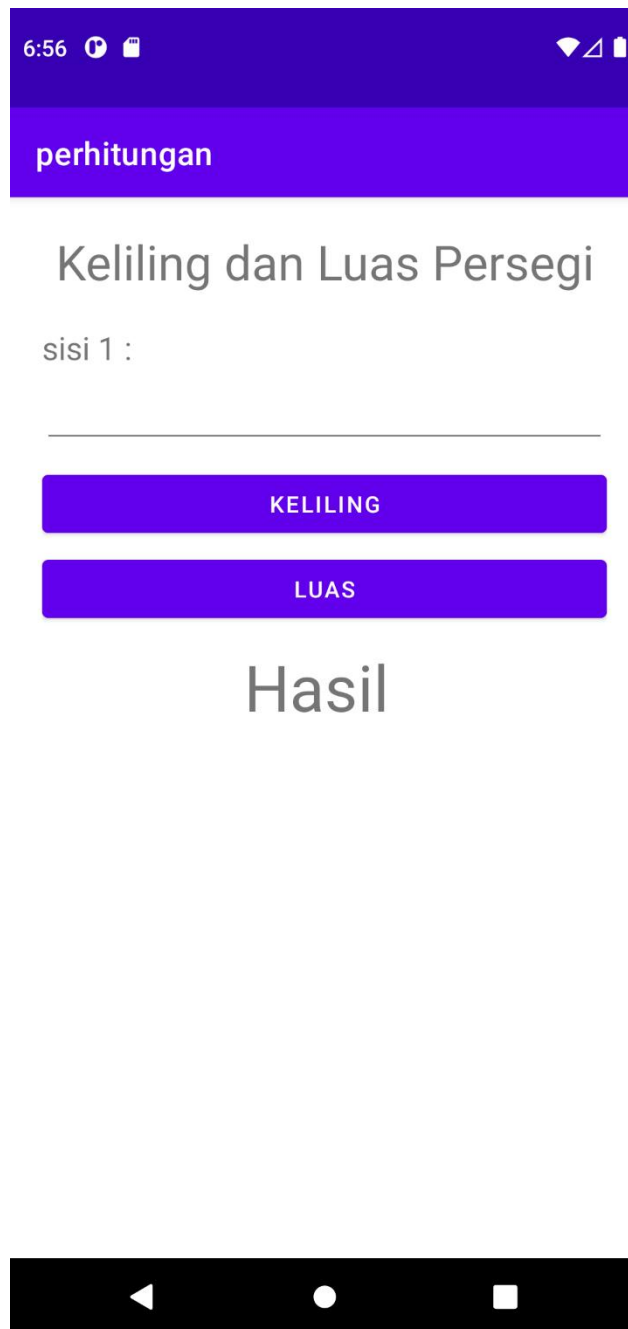
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_marginTop="20dp"
    android:layout_marginBottom="20dp"
    android:layout_marginHorizontal="10dp"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/menu"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Menu"
        android:textAlignment="center"
```

```
        android:textSize="20dp" />
<Button
    android:id="@+id/persegi"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Persegi"
    android:layout_marginTop="20dp"
    android:onClick="openPersegi"/>
<Button
    android:id="@+id/segitiga"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Segitiga"
    android:layout_marginTop="10dp"
    android:onClick="openSegitiga"/>
<Button
    android:id="@+id/lingkaran"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Lingkaran"
    android:layout_marginTop="10dp"
    android:onClick="openLingkaran"/>
<Button
    android:id="@+id/kubus"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Kubus"
    android:layout_marginTop="10dp"
    android:onClick="openKubus"/>

</LinearLayout>
```

Persegi



Persegi.java

```
package com.example.perhitungan;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;

public class Persegi extends AppCompatActivity {

    private EditText sisiEdit;
    private TextView Hasil;
    private float nilai,hsl;

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

        sisiEdit = findViewById(R.id.sisi);
        Hasil = findViewById(R.id.hasil);
    }

    public void keliling(View view){
        try{
            nilai = Float.parseFloat(sisiEdit.getText().toString());
            hsl = nilai * 4 ;
            Hasil.setText(Float.toString(hsl));
        } catch (NumberFormatException e){
            Log.d("Error", "Error Format" + e);
        }
    }

    public void luas(View view) {
        try {
            nilai = Float.parseFloat(sisiEdit.getText().toString());
            hsl = nilai * nilai;
            Hasil.setText(Float.toString(hsl));
        } catch (NumberFormatException e) {
            Log.d("Error", "Error Format " + e);
        }
    }

}
```

activity_persegi.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"
    android:layout_marginVertical="20dp">
```

```

        android:layout_marginHorizontal="20dp"
        tools:context=".Persegi">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Keliling dan Luas Persegi"
            android:textSize="30dp"
            android:textAlignment="center"/>

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="20dp"
            android:text="sisi 1 : "
            android:textSize="20dp" />

        <EditText
            android:id="@+id/sisi"
            android:inputType="number"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="5dp"
            />

        <Button
            android:id="@+id/btnkeliling"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="10dp"
            android:text="Keliling"
            android:onClick="keliling"/>

        <Button
            android:id="@+id/btnluas"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="5dp"
            android:text="Luas"
            android:onClick="luas"/>

        <TextView
            android:id="@+id/hasil"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="10dp"
            android:text="Hasil "
            android:textAlignment="center"
            android:textSize="40dp" />

    </LinearLayout>

```

Segitiga

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perhitungan

Keliling dan Luas Segitiga

Alas :

Tinggi :

KELILING

LUAS

Hasil

Segitiga.java

```
package com.example.perhitungan;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;

public class segitiga extends AppCompatActivity {

    private EditText nilai1, nilai2;
    private TextView hasil;
    private float n1, n2, hsl, pangkat, miring;

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

        nilai1 = findViewById(R.id.alas);
        nilai2 = findViewById(R.id.tinggi);
        hasil = findViewById(R.id.hasilsegitiga);
    }

    public void kelilingsgt(View view) {
        try {
            n1 = Float.parseFloat(nilai1.getText().toString());
            n2 = Float.parseFloat(nilai2.getText().toString());
            pangkat = 2;
            miring = (float) Math.sqrt(Math.pow(n1, pangkat) + Math.pow(n2,
pangkat));

            hsl = n1 + n2 + miring;
            hasil.setText(Float.toString(hsl));
        } catch (NumberFormatException e) {
            Log.d("Error", "Error Format" + e);
        }
    }

    public void luassgt(View view) {
        try {
            n1 = Float.parseFloat(nilai1.getText().toString());
            n2 = Float.parseFloat(nilai2.getText().toString());

            hsl = (float) (0.5 * n1 * n2);
            hasil.setText(Float.toString(hsl));
        } catch (NumberFormatException e) {
            Log.d("Error", "Error Format" + e);
        }
    }
}
```

activity_segitiga.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:layout_marginHorizontal="20dp"
android:layout_marginVertical="20dp"
android:orientation="vertical"
tools:context=".segitiga">

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Keliling dan Luas Segitiga"
    android:textAlignment="center"
    android:textSize="20dp"/>

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Alas : "
    android:layout_marginTop="10dp"/>

<EditText
    android:id="@+id/alas"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="5dp"/>

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Tinggi : "
    android:layout_marginTop="10dp"/>

<EditText
    android:id="@+id/tinggi"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="5dp"/>

<Button
    android:id="@+id/btnsegitiga"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:text="Keliling"
    android:onClick="kelilingsgt"/>

<Button
    android:id="@+id/btnluassegitiga"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Luas"
    android:layout_marginTop="5dp"
    android:onClick="luassgt"/>

<TextView
    android:id="@+id/hasilsegitiga"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Hasil"

```

```
        android:textSize="40dp"
        android:textAlignment="center"
        android:layout_marginTop="20dp"/>
</LinearLayout>
```

Lingkaran

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perhitungan

Luas dan Keliling Lingkaran

Jari-Jari :

KELILING

LUAS

Hasil

Lingkaran.java

```
package com.example.perhitungan;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;

public class lingkaran extends AppCompatActivity {

    private EditText nilai;
    private TextView hasil;
    private float n1 , hsl, phi, pangkat;

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

        nilai = findViewById(R.id.Jari);
        hasil = findViewById(R.id.hasillingkaran);
    }

    public void kelilingLing(View view){
        try {
            n1 = Float.parseFloat(nilai.getText().toString());
            phi = (float) 3.14;

            hsl = 2 * phi * n1;
            hasil.setText(Float.toString(hsl));
        } catch (NumberFormatException e) {
            Log.d("Error", "Error Format" + e);
        }
    }

    public void luasLing(View view){
        try {
            n1 = Float.parseFloat(nilai.getText().toString());
            pangkat = 2;
            hsl = (float) (phi * Math.pow(n1 , pangkat));
            hasil.setText(Float.toString(hsl));
        } catch (NumberFormatException e) {
            Log.d("Error", "Error Format" + e);
        }
    }
}
```

activity_lingkaran.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"
        android:layout_marginVertical="20dp"
        android:layout_marginHorizontal="20dp"
        tools:context=".lingkaran">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Luas dan Keliling Lingkaran"
            android:textAlignment="center"
            android:textSize="20dp"/>

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Jari-Jari : "
            android:layout_marginTop="10dp"/>

        <EditText
            android:id="@+id/Jari"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="5dp"
            />

        <Button
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Keliling"
            android:layout_marginTop="10dp"
            android:onClick="kelilingLing"/>

        <Button
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Luas"
            android:layout_marginTop="5dp"
            android:onClick="luasLing"/>

        <TextView
            android:id="@+id/hasillingkaran"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Hasil"
            android:textSize="30dp"
            android:textAlignment="center"
            android:layout_marginTop="10dp" />

    </LinearLayout>

```

Kubus



Luas dan Keliling Kubus

Sisi :

KELILING / PANJANG RUSUK

LUAS

Hasil



Kubus.java

```
package com.example.perhitungan;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;

public class kubus extends AppCompatActivity {

    private EditText nilai;
    private TextView hasil;
    private float n1, hsl, pangkat;

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

        nilai = findViewById(R.id.sisikbs);
        hasil = findViewById(R.id.hasilkubus);
    }

    public void panjangrusuk(View view){
        try{
            n1 = Float.parseFloat(nilai.getText().toString());

            hsl = (float) (12 * n1);
            hasil.setText(Float.toString(hsl));
        }catch (NumberFormatException e){
            Log.d("Error", "Error Format" + e);
        }
    }

    public void luaskubus(View view){
        try {
            n1 = Float.parseFloat(nilai.getText().toString());
            pangkat = 2;

            hsl = (float) (6 * Math.pow(n1, pangkat));
            hasil.setText(Float.toString(hsl));
        }catch (NumberFormatException e){
            Log.d("Error", "Error Format" + e);
        }
    }
}
```

activity_kubus.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"
```

```
        android:layout_marginHorizontal="20dp"
        android:layout_marginVertical="20dp"
        tools:context=".kubus">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Luas dan Keliling Kubus"
            android:layout_marginTop="10dp"
            android:textSize="20dp"
            android:textAlignment="center"/>

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Sisi : "
            android:layout_marginTop="10dp"/>

        <EditText
            android:id="@+id/sisikbs"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"/>

        <Button
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Keliling / Panjang Rusuk"
            android:layout_marginTop="10dp"
            android:onClick="panjangrusuk"/>

        <Button
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Luas"
            android:layout_marginTop="5dp"
            android:onClick="luaskubus"/>

        <TextView
            android:id="@+id/hasilkubus"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:textSize="30dp"
            android:textAlignment="center"
            android:text="Hasil"
            android:layout_marginTop="10dp"/>

    </LinearLayout>
```