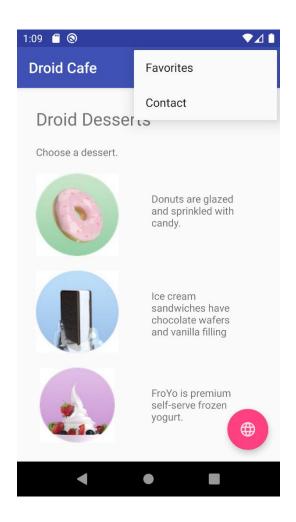
Nama : Bayu Prasetya Adji Sugiyarto

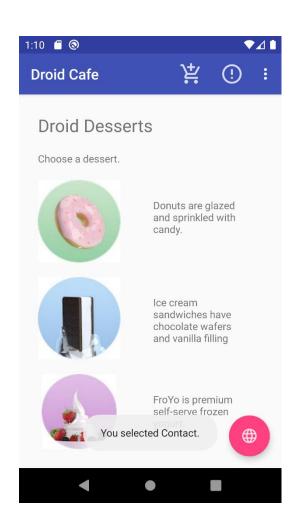
NIM : A11.2019.11688

Pertemuan: 4

Kelompok : A11.4304

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 {

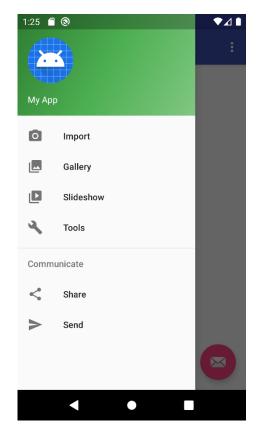
```
@Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        FloatingActionButton fab = (FloatingActionButton)
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 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);
    }
    public void showDonutOrder(View view) {
        showFoodOrder(getString(R.string.donut order message));
   public void showIceCreamOrder(View view) {
        showFoodOrder(getString(R.string.ice_cream_order_message));
   public void showFroyoOrder(View view) {
        showFoodOrder(getString(R.string.froyo_order_message));
   public void showFoodOrder(String message) {
        displayToast(message);
```

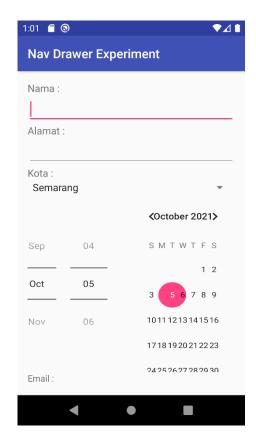
```
Intent intent = new Intent(this, OrderActivity.class);
        startActivity(intent);
   public void displayToast(String message) {
        Toast.makeText(getApplicationContext(), message,
Toast. LENGTH SHORT) . show();
   }
   public void displayMap() {
        Intent intent = new Intent();
        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</pre>
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</pre>
        android:layout width="match parent"
        android:layout height="wrap content"
        android: theme="@style/AppTheme.AppBarOverlay">
        <android.support.v7.widget.Toolbar</pre>
            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</pre>
        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>
```

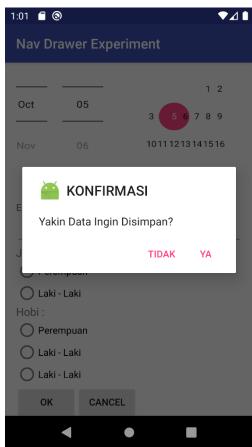
```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/content main"
    android:layout width="match parent"
    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="com.example.android.droidcafe.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</pre>
        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</pre>
        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</pre>
         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>
Menu_main.xml
<menu 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"
 tools:context="com.example.android.droidcafe.MainActivity">
 <item
   android:id="@+id/action_contact"
   android:orderInCategory="100"
   android:title="@string/action_contact"
   app:showAsAction="never" />
  <item
   android:id="@+id/action_order"
   android:orderInCategory="10"
   android:title="@string/action_order"
   android:icon="@drawable/ic_order_white"
   app:showAsAction="always" />
   android:id="@+id/action_status"
   android:orderInCategory="20"
   android:title="@string/action_status"
   android:icon="@drawable/ic_status_white"
   app:showAsAction="always" />
  <item
   android:id="@+id/action_favorites"
   android:orderInCategory="40"
   android:title="@string/action_favorites"
   android:icon="@drawable/ic_favorites_white"
   app:showAsAction="ifRoom" />
</menu>
```

NavDrawerExperiment







Mainactivity.java

```
package com.example.android.navdrawerexperiment;
import android.content.Intent;
import android.os.Bundle;
import android.support.design.widget.FloatingActionButton;
import android.support.design.widget.Snackbar;
import android.view.View;
import android.support.design.widget.NavigationView;
import android.support.v4.view.GravityCompat;
import android.support.v4.widget.DrawerLayout;
import android.support.v7.app.ActionBarDrawerToggle;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity
        implements NavigationView.OnNavigationItemSelectedListener {
    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);
        if (fab != null) {
            fab.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View view) {
                    Snackbar.make(view, "Replace with your own action",
Snackbar.LENGTH LONG)
                            .setAction("Action", null).show();
            });
        DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer layout);
        ActionBarDrawerToggle toggle = new ActionBarDrawerToggle(
                this, drawer, toolbar, R.string.navigation_drawer_open,
                R.string.navigation drawer close);
        if (drawer != null) {
            drawer.addDrawerListener(toggle);
        toggle.syncState();
        NavigationView navigationView = (NavigationView)
findViewById(R.id.nav view);
        if (navigationView != null) {
            navigationView.setNavigationItemSelectedListener(this);
        }
    }
    @Override
    public void onBackPressed() {
        DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer layout);
        if (drawer != null) {
```

```
if (drawer.isDrawerOpen(GravityCompat.START)) {
            drawer.closeDrawer(GravityCompat.START);
        } else {
            super.onBackPressed();
    }
}
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}
@Override
public boolean onOptionsItemSelected(MenuItem item) {
    int id = item.getItemId();
    //noinspection SimplifiableIfStatement
    if (id == R.id.action settings) {
        return true;
    return super.onOptionsItemSelected(item);
}
@SuppressWarnings("StatementWithEmptyBody")
@Override
public boolean onNavigationItemSelected(MenuItem item) {
    DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer layout);
    // Handle navigation view item clicks here.
    switch (item.getItemId()) {
        case R.id.nav camera:
            // Handle the camera import action (for now display a toast).
            drawer.closeDrawer(GravityCompat.START);
            displayToast(getString(R.string.chose_camera));
            return true;
        case R.id.nav gallery:
            // Handle the gallery action (for now display a toast).
            drawer.closeDrawer(GravityCompat.START);
            displayToast(getString(R.string.chose gallery));
           return true;
        case R.id.nav_slideshow:
            // Handle the slideshow action (for now display a toast).
            drawer.closeDrawer(GravityCompat.START);
            Intent intentform = new Intent(MainActivity.this, form.class);
            startActivity(intentform);
            return true;
        case R.id.nav manage:
            // Handle the tools action (for now display a toast).
            drawer.closeDrawer(GravityCompat.START);
            displayToast(getString(R.string.chose tools));
            return true;
        case R.id.nav_share:
            // Handle the share action (for now display a toast).
            drawer.closeDrawer(GravityCompat.START);
            displayToast(getString(R.string.chose share));
            return true;
        case R.id.nav_send:
            // Handle the send action (for now display a toast).
            drawer.closeDrawer(GravityCompat.START);
            displayToast(getString(R.string.chose send));
```

```
return true;
            default:
                return false;
        }
    }
    public void displayToast(String message) {
        Toast.makeText(getApplicationContext(), message,
Toast. LENGTH SHORT) . show();
   }
form.java
package com.example.android.navdrawerexperiment;
import android.content.DialogInterface;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
public class form extends AppCompatActivity {
   private Button Alert;
    @Override
   protected void onCreate (Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity form);
        Alert = (Button) findViewById(R.id.buttonok);
        Alert.setOnClickListener(new View.OnClickListener() {
            public void onClick(View view) {
                showDialog();
        });
   private void showDialog() {
        AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(this);
        alertDialogBuilder.setTitle("KONFIRMASI");
        alertDialogBuilder
                .setMessage("Yakin Data Ingin Disimpan?")
                .setIcon(R.mipmap.ic launcher)
                .setCancelable(false)
                .setPositiveButton("YA", new DialogInterface.OnClickListener(){
                    public void onClick (DialogInterface dialog, int id) {
                        dialog.cancel();
                .setNegativeButton("Tidak", new
DialogInterface.OnClickListener() {
                    @Override
                    public void onClick(DialogInterface dialog, int id) {
                        dialog.cancel();
                });
        AlertDialog alertdialog = alertDialogBuilder.create();
        alertdialog.show();
    }
```

```
}
activity_main.xml
<?xml version="1.0" encoding="utf-8"?>
<android.support.v4.widget.DrawerLayout</pre>
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/drawer layout"
    android:layout width="match parent"
    android:layout height="match parent"
    android:fitsSystemWindows="true"
    tools:openDrawer="start">
    <include
        layout="@layout/app bar main"
        android:layout width="match parent"
        android:layout_height="match parent" />
    <android.support.design.widget.NavigationView</pre>
        android:id="@+id/nav_view"
        android:layout_width="wrap_content"
        android:layout height="match parent"
        android:layout gravity="start"
        android:fitsSystemWindows="true"
        app:headerLayout="@layout/nav header main"
        app:menu="@menu/activity_main_drawer" />
</android.support.v4.widget.DrawerLayout>
App_bar_main.xml
<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout</pre>
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.navdrawerexperiment.MainActivity">
    <android.support.design.widget.AppBarLayout</pre>
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android: theme="@style/AppTheme.AppBarOverlay">
        <android.support.v7.widget.Toolbar</pre>
            android:id="@+id/toolbar"
```

android:layout width="match parent"

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

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

android:layout_height="?attr/actionBarSize"
android:background="?attr/colorPrimary"

app:popupTheme="@style/AppTheme.PopupOverlay" />

```
<android.support.design.widget.FloatingActionButton</pre>
        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"
        android:src="@android:drawable/ic_dialog_email" />
</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"</pre>
    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: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="com.example.android.navdrawerexperiment.MainActivity"
    tools:showIn="@layout/app bar main">
    <TextView
        android:layout width="wrap content"
        android: layout height="wrap content"
        android:text="@string/hello world" />
</RelativeLayout>
Nav_header_main.xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    android:layout_width="match_parent"
    android:layout height="@dimen/nav header height"
    android:background="@drawable/side nav bar"
    android:gravity="bottom"
    android:orientation="vertical"
    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: theme="@style/ThemeOverlay.AppCompat.Dark">
    <ImageView</pre>
        android:id="@+id/imageView"
        android:layout width="wrap content"
        android:layout height="wrap_content"
        android:paddingTop="@dimen/nav header vertical spacing"
        android:src="@android:drawable/sym def app icon" />
    <TextView
        android:layout width="match parent"
        android:layout height="wrap content"
        android:paddingTop="@dimen/nav header vertical spacing"
        android:text="@string/my_app_title"
        android:textAppearance="@style/TextAppearance.AppCompat.Body1" />
```

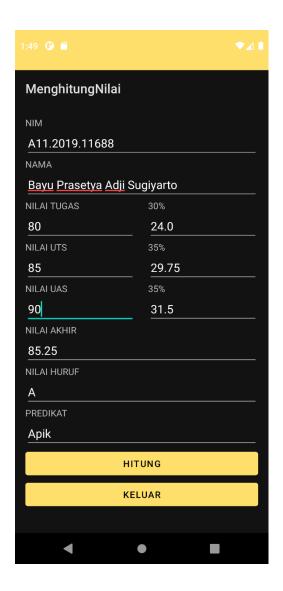
Activity_form.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_form"
    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"
    tools:context="com.example.android.navdrawerexperiment.form">
    <RelativeLayout
        android:layout width="match parent"
        android:layout height="match parent">
        <TextView
            android:layout_width="match_parent"
            android: layout_height="wrap_content"
            android:text="Nama : "
            android:id="@+id/textView1"
            android:textSize="16dp"/>
        <EditText
            android:id="@+id/nama"
            android:layout width="match parent"
            android:layout height="wrap content"
            android:layout below="@+id/textView1" />
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Alamat : "
            android: textSize="16dp"
            android:layout below="@+id/nama"
            android:id="@+id/textView2" />
        <EditText
            android:id="@+id/alamat"
            android:layout_width="match_parent"
            android:layout_height="wrap content"
            android:layout_below="@+id/TextView2"/>
        <TextView
            android:id="@+id/textView3"
            android:layout width="match parent"
            android:layout_height="wrap_content"
            android:text="Kota : "
            android:textSize="16dp"
            android:layout below="@+id/alamat"/>
        Spinner
            android:id="@+id/kota"
            android:layout width="match parent"
            android:layout_height="wrap_content"
            android:layout_below="@+id/textView3"
            android:entries="@array/kota"/>
        <DatePicker</pre>
            android:layout width="wrap content"
```

```
android:layout height="wrap content"
    android:id="@+id/datePicker"
    android:scaleX="1.1"
    android:datePickerMode="spinner"
    android:layout below="@+id/kota">
</DatePicker>
<TextView
    android:layout width="match parent"
    android:layout height="wrap content"
    android:text="Email: "
    android:id="@+id/textView4"
    android:layout below="@+id/datePicker"/>
<EditText
    android:layout width="match parent"
    android:layout height="wrap content"
    android:id="@+id/email"
    android:layout below="@+id/textView4"/>
<TextView
    android:layout width="match parent"
    android:layout height="wrap content"
    android:text="Jenis Kelamin"
    android:textSize="16dp"
    android:id="@+id/textView5"
    android:layout below="@id/email"/>
< RadioGroup
    android:id="@+id/radio"
    android:layout width="match parent"
    android: layout height="wrap content"
    android:orientation="vertical"
    android:layout below="@+id/textView5">
    <RadioButton android:id="@+id/radio perempuan"</pre>
        android:layout_width="wrap_content"
        android:layout height="wrap content"
        android:text="Perempuan"
        android:onClick="onRadioButtonClicked11"/>
    <RadioButton android:id="@+id/radio laki"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:text="Laki - Laki"
        android:onClick="onRadioButtonClicked11"/>
</RadioGroup>
<TextView
    android:id="@+id/textView6"
    android:layout width="match parent"
    android: layout height="wrap content"
    android:text="Hobi : "
    android:textSize="16dp"
    android:layout below="@+id/radio"/>
<RadioGroup
    android:layout_width="match_parent"
    android: layout_height="wrap_content"
    android: orientation="vertical"
    android:id="@+id/radiohobi"
    android:layout below="@+id/textView6">
    <RadioButton android:id="@+id/radio hobil"</pre>
        android:layout width="wrap content"
        android:layout height="wrap content"
        android: text="Perempuan"
```

```
android:onClick="onRadioButtonClicked1"/>
            <RadioButton android:id="@+id/radio hobi2"
                android:layout width="wrap content"
                android:layout height="wrap content"
                android:text="Laki - Laki"
                android:onClick="onRadioButtonClicked2"/>
            <RadioButton android:id="@+id/radio hobi3"</pre>
                android:layout_width="wrap_content"
                android:layout height="wrap content"
                android:text="Laki - Laki"
                android:onClick="onRadioButtonClicked3"/>
        </RadioGroup>
        <Button
           android:id="@+id/buttonok"
           android:layout width="wrap content"
           android:layout height="wrap content"
           android:layout below="@id/radiohobi"
           android: text="OK"
            android:onClick="dialogmsg"/>
        <Button
            android:id="@+id/buttoncancel"
           android:layout width="wrap content"
           android:layout height="wrap content"
            android:layout_below="@id/radiohobi"
            android:layout toRightOf="@+id/buttonok"
            android: text="Cancel"/>
    </RelativeLayout>
</scrollView>
String.xml
<resources>
    <string name="app name">Nav Drawer Experiment</string>
    <string name="navigation drawer open">Open navigation drawer</string>
    <string name="navigation_drawer close">Close navigation drawer</string>
   <string name="action settings">Settings</string>
   <string name="my app title">My App</string>
    <string name="hello world">Hello World!</string>
    <string name="import camera">Import</string>
    <string name="gallery">Gallery</string>
    <string name="slideshow">Slideshow</string>
    <string name="tools">Tools
    <string name="communicate">Communicate</string>
    <string name="share">Share</string>
    <string name="send">Send</string>
    <string name="chose camera">You chose Camera Import.</string>
    <string name="chose gallery">You chose the Gallery.
    <string name="chose_slideshow">You chose the Slideshow.
    <string name="chose tools">You chose Tools.
    <string name="chose share">You chose Share.
    <string name="chose send">You chose Send.
    <string-array name="kota">
        <item>Semarang</item>
        <item>Surabaya</item>
        <item>Jakarta</item>
        <item>Malang</item>
        <item>Bali</item>
```

Menghitung Nilai



Mainacvity.java

```
package com.example.menghitungnilai;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.text.Editable;
import android.text.TextWatcher;
import android.view.View;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {
    private EditText edtgs, eduts, eduas, edhuruf, edakhir, edpredikat, edptgs, edputs, edpuas;
    private float ntgs, nptgs, nuts, nputs, nuas, npuas, nakhir;
    private String predikat, huruf;

@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        edtgs = (EditText) findViewById(R.id.tugas);
        edptgs = (EditText) findViewById(R.id.tugaspersen);
        eduts = (EditText) findViewById(R.id.uts);
        edputs = (EditText) findViewById(R.id.utspersen);
        eduas = (EditText) findViewById(R.id.uas);
        edpuas = (EditText) findViewById(R.id.uaspersen);
        edhuruf = (EditText) findViewById(R.id.huruf);
        edakhir = (EditText) findViewById((R.id.akhit));
        edpredikat = (EditText) findViewById(R.id.predikat);
        //nilaitugas
        edtgs.addTextChangedListener(new TextWatcher() {
            @Override
            public void beforeTextChanged(CharSequence s, int start, int
count, int after) {
            @Override
            public void onTextChanged(CharSequence s, int start, int
before, int count) {
            }
            @Override
            public void afterTextChanged(Editable s) {
                if (edtgs.getText().toString().isEmpty()) {
                    ntgs = 0;
                }else{
                    ntgs = Float.parseFloat(edtgs.getText().toString());
                nptgs = 0.3f * ntgs;
                edptgs.setText(Float.toString(nptgs));
            }
        });
        //nilaiUts
        eduts.addTextChangedListener(new TextWatcher() {
            public void beforeTextChanged(CharSequence s, int start, int
count, int after) {
            }
            @Override
            public void onTextChanged(CharSequence s, int start, int
before, int count) {
            }
            @Override
            public void afterTextChanged(Editable s) {
                if (eduts.getText().toString().isEmpty()) {
                    nuts = 0;
                }else{
                    nuts = Float.parseFloat(eduts.getText().toString());
```

```
nputs = 0.35f * nuts;
                edputs.setText(Float.toString(nputs));
            }
        });
        //nilaiUas
        eduas.addTextChangedListener(new TextWatcher() {
            @Override
            public void beforeTextChanged(CharSequence s, int start, int
count, int after) {
            @Override
            public void onTextChanged(CharSequence s, int start, int
before, int count) {
            }
            @Override
            public void afterTextChanged(Editable s) {
                if (eduas.getText().toString().isEmpty()) {
                    nuas = 0;
                }else{
                    nuas = Float.parseFloat(eduas.getText().toString());
                npuas = 0.35f * nuas;
                edpuas.setText(Float.toString(npuas));
        });
    }
    //tombolHitung
    public void hitung(View view) {
        hitungAkhir();
        edakhir.setText(Float.toString(nakhir));
        edhuruf.setText(getHuruf(nakhir));
        edpredikat.setText(getPredikat(huruf));
    }
    public String getHuruf(float nilai) {
        if (nilai >= 85) {
           huruf = "A";
        else if (nilai \geq 80) {
            huruf = "B";
        }
        else if (nilai \geq 70) {
           huruf = "C";
        else if (nilai >= 60) {
            huruf = "D";
        else if (nilai \geq 50) {
           huruf = "D";
        else
            huruf = "E";
```

```
return huruf;
    }
    public String getPredikat(String nHuruf) {
        switch (nHuruf) {
            case "A" :predikat = "Apik"; break;
            case "AB" :predikat = "Apik"; break;
            case "B" :predikat = "Apik"; break;
            case "BC" :predikat = "Apik"; break;
            case "C" :predikat = "Apik"; break;
            case "D" :predikat = "Apik"; break;
            default : predikat = " Elek";
       return predikat;
    private float hitungAkhir(){
       nakhir = nptgs + npuas + nputs;
       return nakhir;
    }
    //tombolKeluar
    public void keluar (View view) {
       finish();
}
activity_main.xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   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 marginVertical="16dp"
   android:layout marginHorizontal="16dp"
   tools:context=".MainActivity"
   android:orientation="vertical">
    <TextView
        android:id="@+id/txtnim"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:text="@string/txt nim"
        />
    <EditText
        android:id="@+id/nim"
        android:layout below="@+id/txtnim"
        android:layout width="match parent"
        android:layout height="wrap content"
        />
    <TextView
        android:layout below="@+id/nim"
        android:id="@+id/txtnama"
```

android:layout width="match parent"

```
android:layout height="wrap content"
    android:text="@string/txt nama"
<EditText
    android:layout below="@+id/txtnama"
    android:id="@+id/nama"
    android:layout width="match parent"
    android:layout height="wrap content"
<TextView
    android:layout below="@id/nama"
    android:id="@+id/txttqs"
    android:layout width="170dp"
    android:layout height="wrap content"
    android:text="@string/txt tugas"
    />
<EditText
    android:id="@+id/tugas"
    android:layout width="170dp"
    android:layout_height="wrap_content"
    android:layout below="@+id/txttgs" />
<TextView
   android:id="@+id/txtpersentgs"
    android:layout width="170dp"
   android:layout height="wrap content"
   android:layout below="@id/nama"
   android:layout marginLeft="20dp"
    android:layout toRightOf="@+id/txttgs"
    android:text="@string/txt 30" />
<EditText
   android:layout marginLeft="20dp"
    android:layout toRightOf="@+id/tugas"
    android:id="@+id/tugaspersen"
    android:layout width="170dp"
    android:layout height="wrap content"
    android:layout below="@+id/txttqs" />
<TextView
   android:layout below="@+id/tugas"
    android:id="@+id/txtuts"
    android:layout width="170dp"
    android:layout height="wrap content"
    android:text="@string/txt uts"
    />
<EditText
    android:layout below="@+id/txtuts"
    android:id="@+id/uts"
    android:layout_width="170dp"
    android:layout height="wrap content"
    />
<TextView
    android:layout marginLeft="20dp"
    android:layout toRightOf="@+id/txtuts"
    android:layout below="@id/tugaspersen"
```

```
android:id="@+id/txtpersenuts"
    android:layout width="170dp"
    android:layout height="wrap_content"
    android:text="@string/txt 35"
<EditText
    android:layout marginLeft="20dp"
    android:layout toRightOf="@+id/uts"
    android:id="@+id/utspersen"
    android:layout width="170dp"
    android:layout_height="wrap_content"
    android:layout below="@+id/txtpersenuts" />
<TextView
    android:id="@+id/txtuas"
    android:layout_below="@+id/uts"
    android:layout_width="170dp"
    android:layout height="wrap content"
    android:text="@string/txt uas"
   />
<EditText
    android:layout below="@+id/txtuas"
    android:id="@+id/uas"
    android:layout width="170dp"
    android:layout height="wrap content"
    />
<TextView
    android:id="@+id/txtpersenuas"
    android:layout width="170dp"
    android:layout height="wrap content"
   android:layout below="@id/utspersen"
   android:layout marginLeft="20dp"
    android:layout toRightOf="@+id/txtuas"
    android:text="@string/txt 35" />
<EditText
    android:layout marginLeft="20dp"
    android:layout toRightOf="@+id/uas"
    android:id="@+id/uaspersen"
   android:layout width="170dp"
    android:layout height="wrap content"
    android:layout_below="@+id/txtpersenuas" />
<TextView
    android:layout below="@+id/uas"
    android:id="@+id/txtakhir"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:text="@string/txt akhir"
    />
<EditText
    android:layout below="@+id/txtakhir"
    android:id="@+id/akhit"
    android:layout width="match parent"
    android:layout height="wrap content"
    />
```

```
<TextView
        android:layout below="@+id/akhit"
        android:id="@+id/txthuruf"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:text="@string/txt huruf"
        />
    <EditText
        android:layout below="@+id/txthuruf"
        android:id="@+id/huruf"
        android:layout width="match parent"
        android:layout height="wrap content"
    <TextView
        android:layout below="@+id/huruf"
        android:id="@+id/txtpred"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:text="@string/txt predikat"
    <EditText
        android:layout below="@+id/txtpred"
        android:id="@+id/predikat"
        android:layout width="match parent"
        android:layout height="wrap content"
        />
    <Button
       android:onClick="hitung"
        android:id="@+id/hitungakhir"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout below="@+id/predikat"
        android:text="@string/btn hitung" />
    <Button
        android:layout below="@+id/hitungakhir"
        android:id="@+id/keluar"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:text="@string/btn keluar"
        android:onClick="keluar"
        />
</RelativeLayout>
String.xml
<resources>
    <string name="app_name">MenghitungNilai
    <string name="txt_nim">NIM</string>
    <string name="txt nama">NAMA</string>
```

<string name="txt_tugas">NILAI TUGAS</string>
<string name="txt_uts">NILAI UTS</string>
<string name="txt_uas">NILAI UAS</string>
<string name="btn hitung">HITUNG</string>

```
<string name="txt_hasil">HASIL</string>
  <string name="btn_keluar">KELUAR</string>
  <string name="txt_akhir">NILAI AKHIR</string>
  <string name="txt_huruf">NILAI HURUF</string>
  <string name="txt_predikat">PREDIKAT</string>
  <string name="txt_30">30%</string>
  <string name="txt_35">35%</string>
  </resources>
```