

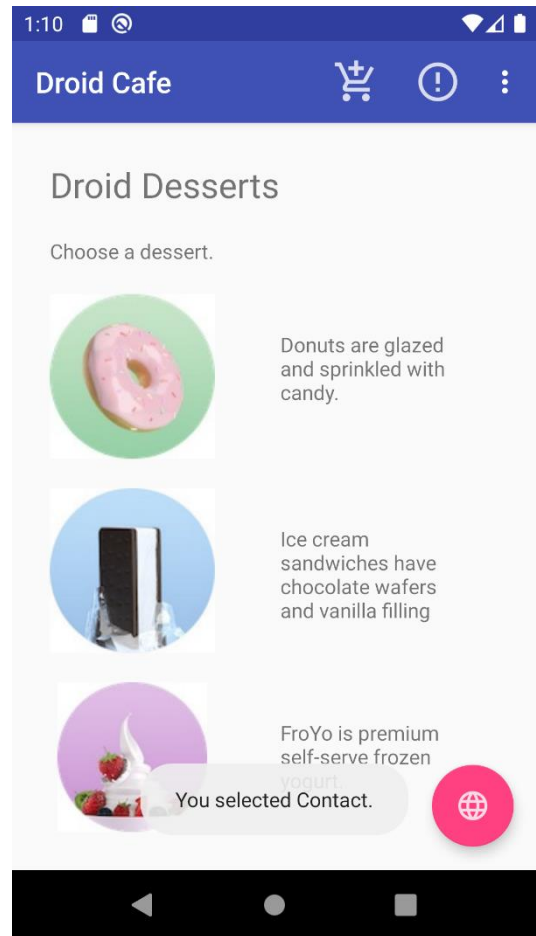
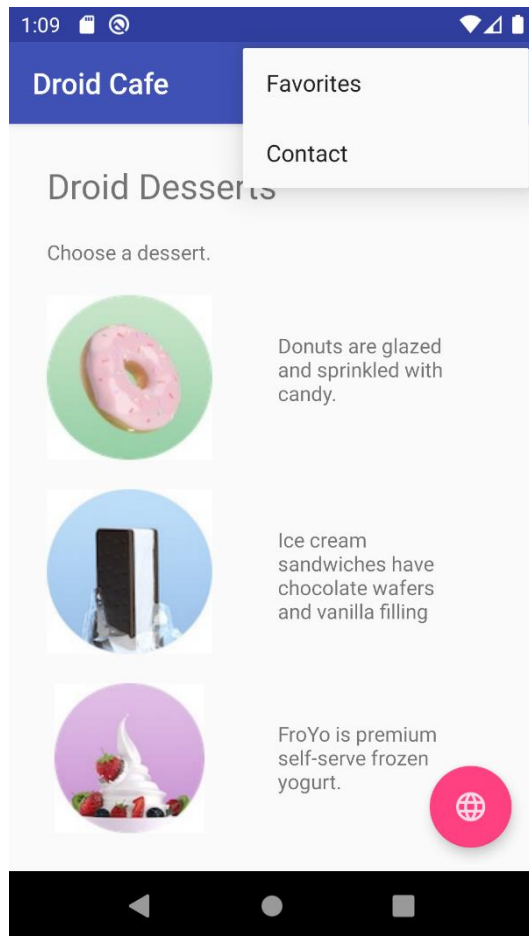
Nama : Bayu Prasetya Adji Sugiyarto

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
    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>

```

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="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
        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>

```

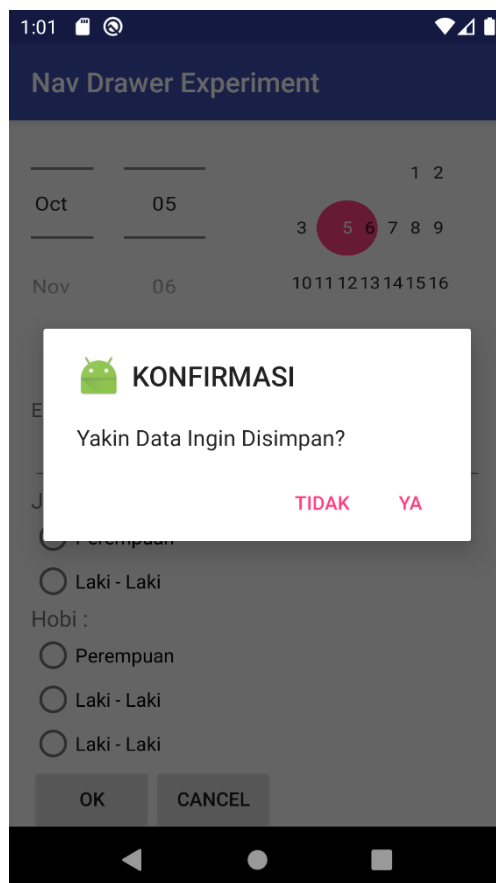
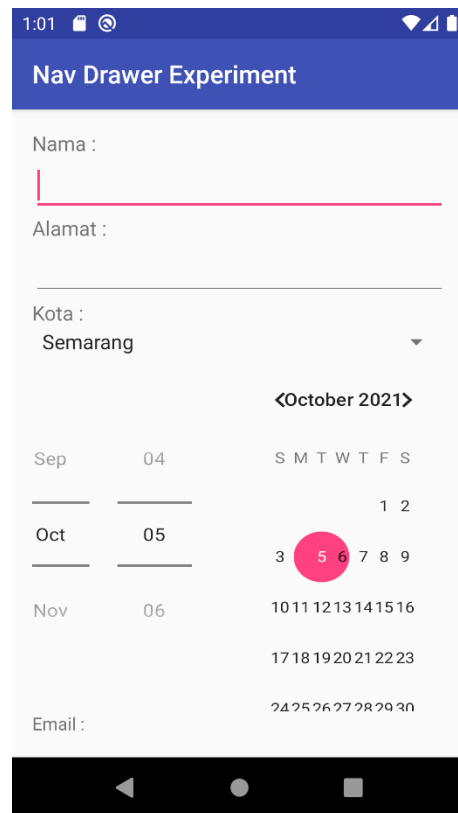
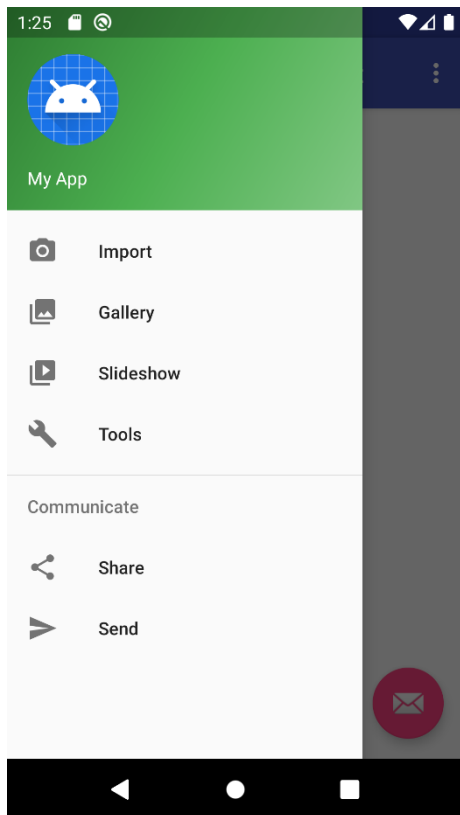
Menu_main.xml

```

<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" />
    <item
        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 {

    @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);
        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
    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
        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
    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
        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"
            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"
    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"
    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
        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" />

```

</LinearLayout>

Activity_form.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"

    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

            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"
        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_hobi1"
        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"
    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>
    <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>
    <string name="chose_slideshow">You chose the Slideshow.</string>
    <string name="chose_tools">You chose Tools.</string>
    <string name="chose_share">You chose Share.</string>
    <string name="chose_send">You chose Send.</string>

    <string-array name="kota">
        <item>Semarang</item>
        <item>Surabaya</item>
        <item>Jakarta</item>
        <item>Malang</item>
        <item>Bali</item>
    </string-array>

```

```
      <item>Medan</item>
      <item>Bandung</item>
      <item>Papua</item>
    </string-array>
  </resources>
```

Menghitung Nilai

MenghitungNilai

NIM
A11.2019.11688

NAMA
Bayu Prasetya Adji Sugiyarto

NILAI TUGAS	30%
80	24.0
NILAI UTS	35%
85	29.75
NILAI UAS	35%
90	31.5

NILAI AKHIR
85.25

NILAI HURUF
A

PREDIKAT
Apik

HITUNG

KELUAR

Mainactivity.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.akhir);
    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() {
        @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(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 >= 80){
        huruf = "B";
    }
    else if (nilai >= 70){
        huruf = "C";
    }
    else if (nilai >= 60){
        huruf = "D";
    }
    else if (nilai >= 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"
    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/txttgs"
    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/txttgs" />

<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>
    <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>
```