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3SC6

Tugas 3

a. Implicit Intent

Pertama buat Java class baru bernama **ActivitySatu.java** lalu isikan seperti ini

```
import androidx.appcompat.app.AppCompatActivity;

import android.os.*;
import android.widget.*;
import android.view.*;
import android.content.*;
import android.net.*;

public class ActivitySatu extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_satu);
        final EditText editText =
        (EditText) findViewById(R.id.urlText);
        Button btn = (Button) findViewById(R.id.btnSatu);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String url = editText.getText().toString();
                Intent intent = new Intent(Intent.ACTION_VIEW,
                Uri.parse(url));
                startActivity(intent);
            }
        });
    }
}
```

Kemudian Buat layout baru bernama **activity_satu.xml** dan isikan seperti ini

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".ActivitySatu">

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/urlText"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="100dp"
```

```

        android:ems="10" />
        <Button
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:id="@+id/btnSatu"
            android:layout_below="@+id/urlText"
            android:text="Navigate"
            android:layout_centerHorizontal="true" />
    </RelativeLayout>

```

Setelah itu jangan lupa taro di manifestnya seperti ini

```

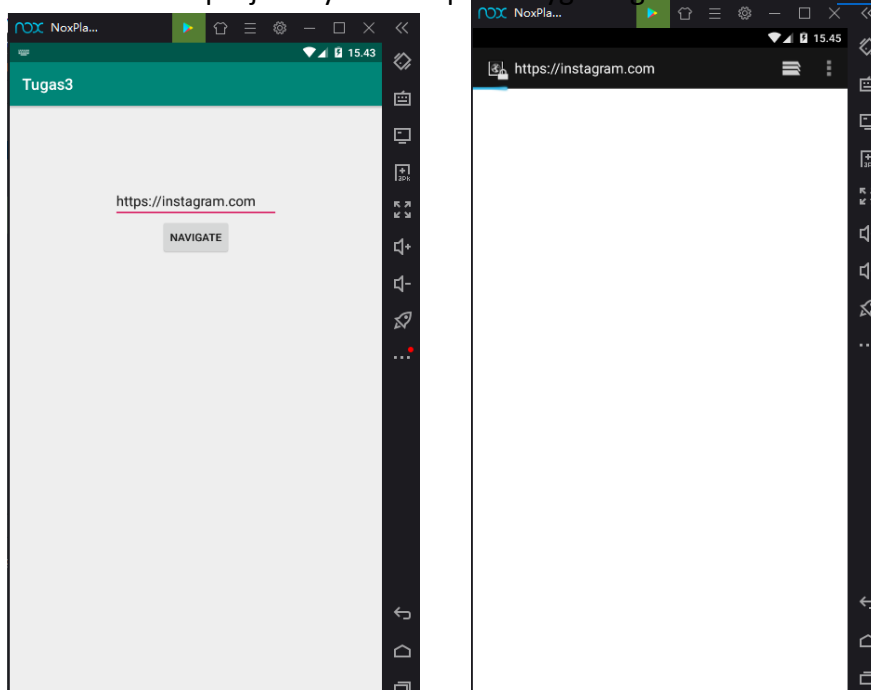
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.tugas2">

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

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

```

Setelah itu run project nya dan input Url yg diinginkan contoh : <https://instagram.com>



b. Explicit Intent

Pertama buka Java class bernama **MainActivity.java** lalu isikan seperti ini

```
import androidx.appcompat.app.AppCompatActivity;
import android.widget.*;
import android.view.*;
import android.content.*;
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {
    private TextView header;

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

        header = (TextView) findViewById(R.id.txtHeader);
    }

    public void launchSecondActivity(View view) {

        Intent intent = new Intent(this,
com.example.tugas2.SecondActivity.class);

        startActivity(intent);
    }
}
```

Kemudian buat javaclass baru bernama **SecondActivity.java** lalu isikan seperti ini

```
import androidx.appcompat.app.AppCompatActivity;
import android.widget.*;
import android.os.*;
import android.view.*;
import android.content.*;

public class SecondActivity extends AppCompatActivity {
    private TextView header;

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

        header = (TextView) findViewById(R.id.txtHeader);
    }

    public void returnReply(View view) {

        Intent intent = new Intent(this, MainActivity.class);
        startActivity(intent);
    }
}
```

kemudian buka layout **activity_main.xml** lalu isikan seperti ini

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/txtHeader"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Activity 1"
        android:textAppearance="?android:attr/textAppearanceMedium"
        android:textStyle="bold" />
    <Button
        android:id="@+id/btnSatu"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="137dp"
        android:layout_marginRight="137dp"
        android:layout_marginBottom="364dp"
        android:onClick="launchSecondActivity"
        android:text="Ke Halaman 2" />
</RelativeLayout>
```

Dan buat layout baru bernama **activity_second.xml** lalu isikan seperti ini

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".SecondActivity">
    <TextView
        android:id="@+id/txtHeader"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Activity 2"
        android:textAppearance="?android:attr/textAppearanceMedium"
        android:textStyle="bold" />
    <Button
        android:id="@+id/btnDua"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="108dp"
        android:layout_marginRight="108dp"
        android:layout_marginBottom="359dp"
        android:onClick="returnReply"
        android:text="Ke Halaman 1" />
</RelativeLayout>
```

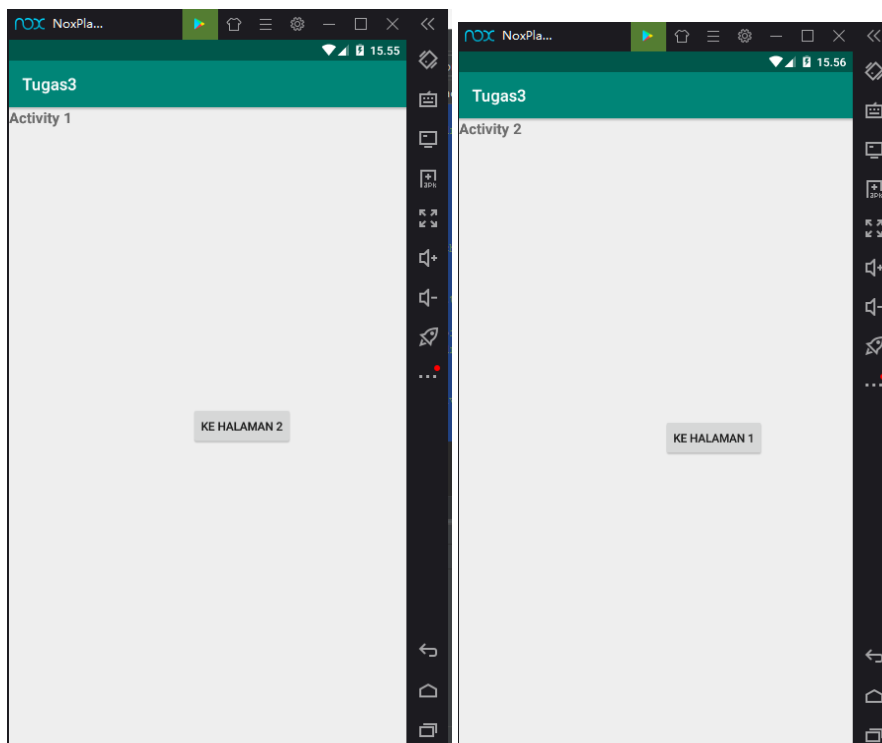
Terakhir masukan kedua javaclass tersebut ke manifest seperti ini

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.tugas2">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="Tugas3"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER"
            />
        </intent-filter>
        </activity>
        <activity android:name=".SecondActivity"/>
    </application>

</manifest>
```

Setelah itu run project nya



c. Intent Filter

Pertama buat Java class baru bernama **ActivityIntentFilter.java** kemudian isikian seperti ini

```
import androidx.appcompat.app.AppCompatActivity;
import android.os.*;
import android.widget.*;
import android.view.*;
import android.content.*;

public class ActivityIntentFilter extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_intentfilter);
        Button btnSend = (Button) findViewById(R.id.sendMail);
        btnSend.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent si = new Intent(Intent.ACTION_SEND);
                si.setType("message/rfc822");
                si.putExtra(Intent.EXTRA_EMAIL, new
String[]{"lutlifauzan72@gmail.com"});
                si.putExtra(Intent.EXTRA_SUBJECT, "Welcome to AeU Malay
Class");
                si.putExtra(Intent.EXTRA_TEXT, "Hi Students, Welcome to My
Class");
                startActivity(Intent.createChooser(si, "Choose Mail App"));
            }
        });
    }
}
```

Kemudian buat Layout baru bernama **activity_intentfilter.xml** lalu isikan seperti ini

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="match_parent">
    <Button
        android:id="@+id/sendMail"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="150dp"
        android:layout_marginTop="230dp"
        android:text="Send Mail" />
</LinearLayout>
```

Lalu jangan lupa tambahkan di manifest nya

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.tugas2">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="Tugas3"
```

```

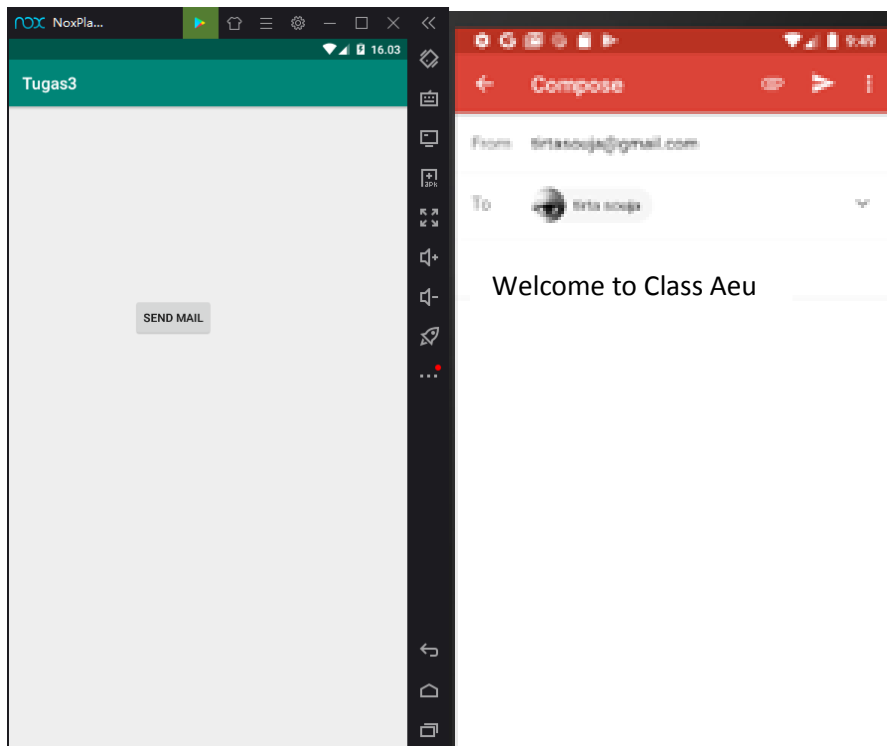
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".ActivityIntentFilter">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER"
/>

                <action android:name="android.intent.action.SEND"/>
                <category android:name="android.intent.category.DEFAULT"/>
                <data android:mimeType="message/rfc822"/>
            </intent-filter>
        </activity>
    </application>

</manifest>

```

Lalu run project nya



d. Menggunakan Intent untuk Mengirim Data

Pertama buat java class bernama **ActivityInput.java** kemudian isikan seperti ini

```
import androidx.appcompat.app.AppCompatActivity;
import android.os.*;
import android.widget.*;
import android.view.*;
import android.content.*;
import com.example.tugas2.ActivityOutput;

public class ActivityInput extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_input);
        final EditText firstNum = (EditText) findViewById(R.id.angkaSatu);
        final EditText secNum = (EditText) findViewById(R.id.angkaDua);
        Button btnAdd = (Button) findViewById(R.id.btnTambah);
        btnAdd.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                int num1 = Integer.parseInt(firstNum.getText().toString());
                int num2 = Integer.parseInt(secNum.getText().toString());
                Intent intent = new Intent(ActivityInput.this,
ActivityOutput.class);
                intent.putExtra("jumlah", num1 + " + " + num2 + " =
" + (num1 + num2));
                startActivity(intent);
            }
        });
    }
}
```

Kemudian buat java class baru bernama **ActivityOutput.java** kemudian isikan seperti ini

```
import android.os.*;
import android.widget.*;

import android.content.*;
import androidx.appcompat.app.AppCompatActivity;

public class ActivityOutput extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_output);
        TextView result = (TextView) findViewById(R.id.vHasil);
        Intent intent = getIntent();
        String addition = (String) intent.getSerializableExtra("jumlah");
        result.setText(addition);
    }
}
```


lalu buat layout baru bernama **activity_input.xml** lalu isikan seperti ini

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="match_parent">
    <TextView
        android:id="@+id/txtSatu"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="100dp"
        android:layout_marginTop="150dp"
        android:text="Angka Pertama"
    />
    <EditText
        android:id="@+id/angkaSatu"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="100dp"
        android:ems="10">
    </EditText>
    <TextView
        android:id="@+id/txtDua"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Angka Kedua"
        android:layout_marginLeft="100dp"
    />
    <EditText
        android:id="@+id/angkaDua"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="100dp"
        android:ems="10" />
    <Button
        android:id="@+id/btnTambah"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="100dp"
        android:text="TAMBAH" />
</LinearLayout>
```

lalu buat layout baru bernama **activity_output.xml** lalu isikan seperti ini

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="match_parent">
    <TextView
        android:id="@+id/vHasil"
        android:layout_width="252dp"
        android:layout_height="84dp"
        android:layout_marginLeft="135dp"
        android:layout_marginTop="300dp"
        android:textColor="@color/colorPrimaryDark"
        android:textSize="30sp" />
</LinearLayout>
```

Kemudian tambahkan kedua java tadi ke manifest nya seperti ini

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.tugas2">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="Tugas3"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".ActivityInput">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER"
            />
        </intent-filter>
        </activity>
        <activity android:name=".ActivityOutput"
            android:label="Result"></activity>
        </application>
    </manifest>
```

Setelah itu jalankan project nya

