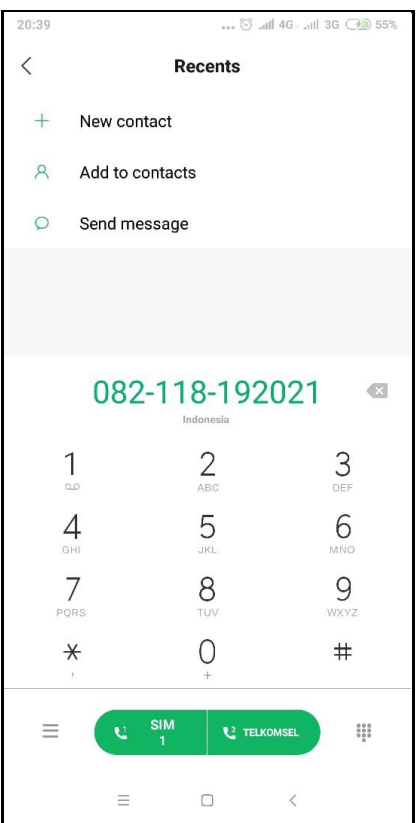
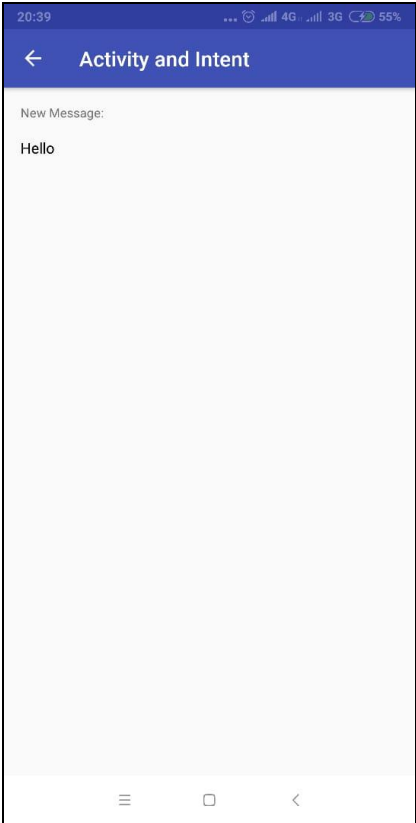
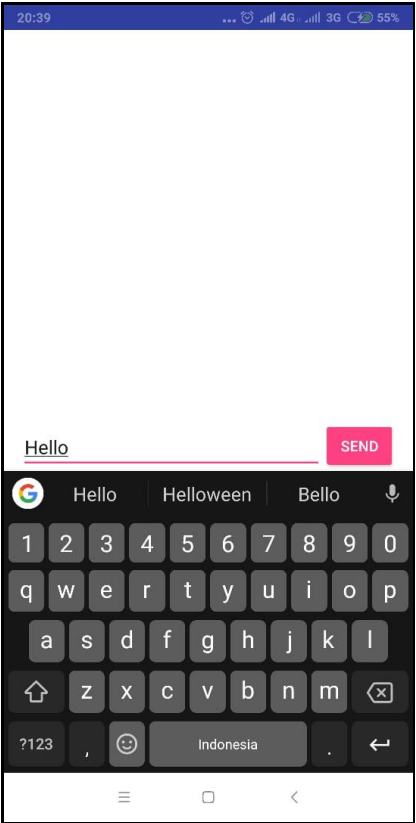
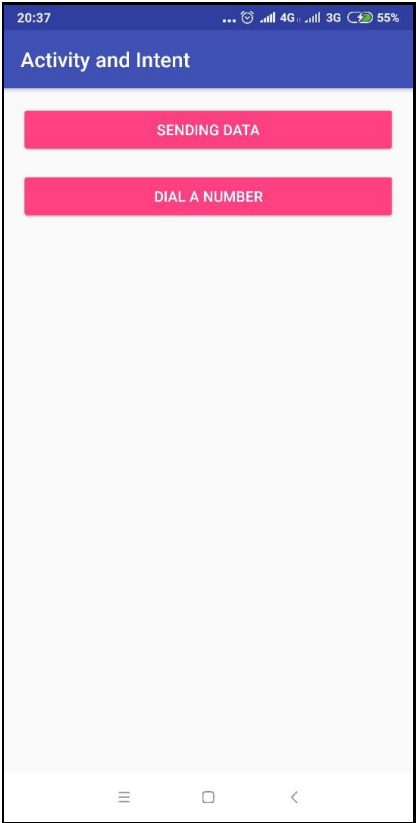


Praktikum 3 – Activity and Intent



strings.xml

```
<resources>
    <string name="app_name">Activity and Intent</string>
    <string name="dial_a_number">DIAL A NUMBER</string>
    <string name="sending_data">SENDING DATA</string>
    <string name="data_received">Data Received</string>
</resources>
```

styles.xml

```
<resources>

    <!-- Base application theme. -->
    <style name="AppTheme" parent="Base.Theme.AppCompat.Light.DarkActionBar">
        <!-- Customize your theme here. -->
        <item name="colorPrimary">@color/colorPrimary</item>
        <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
        <item name="colorAccent">@color/colorAccent</item>
    </style>

    <style name="ButtonGeneral" parent="@style/Widget.AppCompat.Button.Colored">
    </style>

</resources>
```

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:orientation="vertical"
    tools:context="com.example.nizar.activityandintent.MainActivity">
    <Button
        style="@style/ButtonGeneral"
        android:id="@+id/btn_sending_data"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/sending_data"
        android:layout_marginBottom="@dimen/activity_vertical_margin"/>
    <Button
        style="@style/ButtonGeneral"
        android:id="@+id/btn_dial_number"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/dial_a_number"
        android:layout_marginBottom="@dimen/activity_vertical_margin"/>
</LinearLayout>
```

MainActivity.java

```
package com.example.nizar.activityandintent;

import android.content.Intent;
import android.net.Uri;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;

public class MainActivity extends AppCompatActivity implements View.OnClickListener
{
```

```

private Button btnSendingData;
private Button btnDialNumber;

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

    btnSendingData = (Button) findViewById(R.id.btn_sending_data);
    btnSendingData.setOnClickListener(this);
    btnDialNumber = (Button) findViewById(R.id.btn_dial_number);
    btnDialNumber.setOnClickListener(this);
}

@Override
public void onClick(View v) {
    switch (v.getId()){
        case R.id.btn_sending_data:
            Intent moveIntent = new Intent(MainActivity.this,
SendingActivity.class);
            startActivity(moveIntent);
            break;
        case R.id.btn_dial_number:
            String phoneNumber = "082118192021";
            Intent dialPhoneIntent = new Intent(Intent.ACTION_DIAL,
Uri.parse("tel:"+phoneNumber));
            startActivity(dialPhoneIntent);
            break;
    }
}
}
}

```

activity_sending.xml

```

<?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:id="@+id/activity_sending"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@android:color/white"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context="com.example.nizar.activityandintent.SendingActivity">

    <EditText
        android:id="@+id/edt_text_message"
        android:layout_width="290dp"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true" />

    <Button
        style="@style/ButtonGeneral"
        android:id="@+id/btn_send"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:text="SEND"
        android:layout_toRightOf="@+id/edt_text_message"/>
</RelativeLayout>

```

SendingActivity.java

```
package com.example.nizar.activityandintent;

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

public class SendingActivity extends AppCompatActivity implements
View.OnClickListener {

    private Button btnSend;
    private EditText edtTextMessage;

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

        edtTextMessage = (EditText) findViewById(R.id.edt_text_message);
        btnSend = (Button) findViewById(R.id.btn_send);
        btnSend.setOnClickListener(this);
    }

    @Override
    public void onClick(View v) {
        switch (v.getId()){
            case R.id.btn_send:
                String message = edtTextMessage.getText().toString();
                Intent extraIntent = new Intent(SendingActivity.this,
ReceiveActivity.class);
                extraIntent.putExtra("extra_message", message);
                startActivity(extraIntent);
                break;
        }
    }
}
```

activity_receive.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android: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"
    tools:context="com.example.nizar.activityandintent.ReceiveActivity">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="New Message:"
        android:textSize="12sp"/>
    <TextView
        android:id="@+id/tv_message"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/data_received"
        android:lineSpacingMultiplier="1"
        android:textColor="@android:color/black"
        android:layout_marginTop="@dimen/activity_horizontal_margin"/>
</LinearLayout>
```

ReceiveActivity.java

```
package com.example.nizar.activityandintent;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;

public class ReceiveActivity extends AppCompatActivity {
    public static String extra_message = "extra_message";
    private TextView tvMessage;

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

        tvMessage = (TextView) findViewById(R.id.tv_message);
        String message = getIntent().getStringExtra(extra_message);
        String text = message;
        tvMessage.setText(text);
    }
}
```

AndroidManifest.xml

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

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        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=".SendingActivity"
            android:parentActivityName=".MainActivity" />
        <activity android:name=".ReceiveActivity"
            android:parentActivityName=".SendingActivity"></activity>
    </application>

</manifest>
```