MainActivity.java

```java
package com.example.exp9;
import android.graphics.Color;
import android.graphics.drawable.ColorDrawable;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Toast;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        // Force a theme with an action bar at runtime (no styles.xml or Manifest changes needed)

setTheme(androidx.appcompat.R.style.Theme_AppCompat_Light_DarkActionBar);
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        // Make the action bar a bit darker
        if (getSupportActionBar() != null) {
            getSupportActionBar().setBackgroundDrawable(new
ColorDrawable(Color.DKGRAY));
        }
    }
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu resource (res/menu/menu.xml)
        getMenuInflater().inflate(R.menu.menu, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {
        int id = item.getItemId();
        if (id == R.id.item1) {
            Toast.makeText(this, "Item 1 Selected", Toast.LENGTH_SHORT).show();
        } else if (id == R.id.item2) {
            Toast.makeText(this, "Item 2 Selected", Toast.LENGTH_SHORT).show();
        } else if (id == R.id.item3) {
            Toast.makeText(this, "Item 3 Selected", Toast.LENGTH_SHORT).show();
        }
        return super.onOptionsItemSelected(item);
```

```
    }
}
```

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/main_layout"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:id="@+id/text"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        android:layout_centerInParent="true"/>
</RelativeLayout>
```

menu.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item
        android:id="@+id/item1"
        android:title="Item 1" />
    <item
        android:id="@+id/item2"
        android:title="Item 2" />
    <item
        android:id="@+id/item3"
        android:title="Item 3" />
</menu>
```

MainActivity.java

```java
package com.example.exp8;
```

```java
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

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

        final RadioGroup radioGroup = findViewById(R.id.radioGroup);
        final TextView resultText = findViewById(R.id.resultText);
        Button submitBtn = findViewById(R.id.submitBtn);

        submitBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                int selectedId = radioGroup.getCheckedRadioButtonId();
                if (selectedId != -1) {
                    RadioButton selectedRadio = findViewById(selectedId);
                    String result = "Your Fav lab is " + selectedRadio.getText();
                    resultText.setText(result);
                }
            }
        });
    }
}
```

activity_main.xml

```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="match_parent"
    android:orientation="vertical"
    android:padding="16dp">

    <!-- Question Text -->
```

```xml
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="What is your fav Lab?"
    android:textSize="18sp" />

<!-- Radio Buttons Group -->
<RadioGroup
    android:id="@+id/radioGroup"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp">

    <RadioButton
        android:id="@+id/radioML"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="ML" />

    <RadioButton
        android:id="@+id/radioLPS"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="LPS" />

    <RadioButton
        android:id="@+id/radioAAD"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="AAD" />

    <RadioButton
        android:id="@+id/radioBDT"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="BDT" />
</RadioGroup>

<!-- Submit Button -->
<Button
    android:id="@+id/submitBtn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```xml
        android:text="Submit"
        android:layout_marginTop="16dp" />

    <!-- Result Text -->
    <TextView
        android:id="@+id/resultText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=""
        android:textSize="16sp"
        android:layout_marginTop="16dp" />

</LinearLayout>
```

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.fragment.app.FragmentContainerView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/fragment_container"
    android:name="com.example.exp7.FirstFragment"
    android:layout_width="match_parent"
    android:layout_height="match_parent"/>
```

MainActivity.java

```java
package com.example.exp7;

import android.os.Bundle;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        // Load FirstFragment only on first creation.
        if (savedInstanceState == null) {
            getSupportFragmentManager().beginTransaction()
                    .replace(R.id.fragment_container, new FirstFragment())
                    .commit();
```

```
            }
        }
    }
```

colors.xml

```xml
<resources>
    <color name="firstFragmentBg">#FFC0CB</color> <!-- Light Pink -->
    <color name="secondFragmentBg">#ADD8E6</color> <!-- Light Blue -->
</resources>
```

FirstFragment.java

```java
package com.example.exp7;

import android.os.Bundle;
import androidx.fragment.app.Fragment;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;

public class FirstFragment extends Fragment {

    public FirstFragment() {
        // Required empty public constructor
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                    Bundle savedInstanceState) {
        View view = inflater.inflate(R.layout.first_fragment, container, false);

        Button btn = view.findViewById(R.id.btnFirst);
        btn.setOnClickListener(v ->
                requireActivity().getSupportFragmentManager().beginTransaction()
                        .replace(R.id.fragment_container, new SecondFragment())
                        .addToBackStack(null)
                        .commit()
        );

        return view;
```

```
        }
}


first_fragment.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="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    android:background="@color/firstFragmentBg">

    <TextView
        android:id="@+id/textViewFirst"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="This is the First Fragment"
        android:textSize="20sp"/>

    <Button
        android:id="@+id/btnFirst"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Go to Second Fragment"/>
</LinearLayout>

package com.example.exp7;

import android.os.Bundle;
import androidx.fragment.app.Fragment;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;

public class SecondFragment extends Fragment {

    public SecondFragment() {
        // Required empty public constructor
    }
```

```java
    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                    Bundle savedInstanceState) {
        View view = inflater.inflate(R.layout.second_fragment, container, false);

        Button btn = view.findViewById(R.id.btnSecond);
        btn.setOnClickListener(v ->
            requireActivity().getSupportFragmentManager().beginTransaction()
                .replace(R.id.fragment_container, new FirstFragment())
                .addToBackStack(null)
                .commit()
        );

        return view;
    }
}
```

```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="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    android:background="@color/secondFragmentBg">

    <TextView
        android:id="@+id/textViewSecond"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="This is the Second Fragment"
        android:textSize="20sp"/>

    <Button
        android:id="@+id/btnSecond"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Go to First Fragment"/>
</LinearLayout>
```

```xml
<uses-permission android:name="android.permission.SEND_SMS"/>
```

```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="match_parent"
    android:orientation="vertical"
    android:padding="20dp">

    <EditText
        android:id="@+id/phone"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Phone Number"/>

    <EditText
        android:id="@+id/msg"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Message"/>

    <Button
        android:id="@+id/send"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Send SMS"/>

</LinearLayout>
```

```java
package com.example.exp6;

import android.Manifest;
import android.content.pm.PackageManager;
import android.os.Bundle;
import android.telephony.SmsManager;
import android.view.View;
import android.widget.Button;
```

```java
import android.widget.EditText;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;

public class MainActivity extends AppCompatActivity {

    EditText phone, msg;
    Button send;

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

        phone = findViewById(R.id.phone);
        msg = findViewById(R.id.msg);
        send = findViewById(R.id.send);

        ActivityCompat.requestPermissions(this, new
String[]{Manifest.permission.SEND_SMS}, 1);

        send.setOnClickListener(v -> {
            SmsManager.getDefault().sendTextMessage(phone.getText().toString(), null,
msg.getText().toString(), null, null);
            Toast.makeText(MainActivity.this, "SMS Sent",
Toast.LENGTH_SHORT).show();
        });
    }
}
```

EXP5

AM.xml

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

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
```

```xml
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.Exp5"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <!-- Add your second activity declaration below -->
        <activity android:name=".SecondActivity" />
    </application>

</manifest>
```

MainActivity.java

```java
package com.example.exp5;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {
    EditText etName, etPassword;
    Button btnSubmit;

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

        etName = findViewById(R.id.etName);
        etPassword = findViewById(R.id.etPassword);
        btnSubmit = findViewById(R.id.btnSubmit);
```

```java
        btnSubmit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String name = etName.getText().toString();
                String password = etPassword.getText().toString();

                Intent intent = new Intent(MainActivity.this, SecondActivity.class);
                intent.putExtra("name", name);
                intent.putExtra("password", password);
                startActivity(intent);
            }
        });
    }
}
```

SecondActivity.java

```java
package com.example.exp5;

import android.os.Bundle;
import android.widget.TextView;
import androidx.appcompat.app.AppCompatActivity;

public class SecondActivity extends AppCompatActivity {
    TextView tvResult;

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

        tvResult = findViewById(R.id.tvResult);
        String name = getIntent().getStringExtra("name");
        String password = getIntent().getStringExtra("password");

        tvResult.setText("Name: " + name + "\nPassword: " + password);
    }
}
```

activity_main.xml

```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="match_parent"
    android:orientation="vertical"
    android:padding="16dp"
    android:paddingTop="40dp">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Name:" />
    <EditText
        android:id="@+id/etName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Name"
        android:background="@android:color/darker_gray"
        android:padding="8dp"
        android:layout_marginBottom="16dp" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Password:" />
    <EditText
        android:id="@+id/etPassword"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Password"
        android:inputType="textPassword"
        android:background="@android:color/darker_gray"
        android:padding="8dp"
        android:layout_marginBottom="16dp" />

    <Button
        android:id="@+id/btnSubmit"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Submit" />
</LinearLayout>
```

activitysecond.xml

```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="match_parent"
    android:orientation="vertical"
    android:padding="16dp"
    android:paddingTop="40dp">

    <TextView
        android:id="@+id/tvResult"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="18sp" />
</LinearLayout>
```

strings.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string name="app_name">MyApp</string>
</resources>
```

EXP4

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

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        android:padding="16dp"
```

```xml
    android:paddingTop="40dp">

    <!-- Name -->
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Name:" />
    <EditText
        android:id="@+id/etName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Name"
        android:background="@android:color/darker_gray"
        android:padding="8dp"
        android:layout_marginBottom="8dp" />

    <!-- Password -->
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Password:" />
    <EditText
        android:id="@+id/etPassword"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Password"
        android:background="@android:color/darker_gray"
        android:padding="8dp"
        android:inputType="textPassword"
        android:layout_marginBottom="8dp" />

    <!-- Address -->
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Address:" />
    <EditText
        android:id="@+id/etAddress"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Address"
        android:background="@android:color/darker_gray"
        android:padding="8dp"
```

```xml
        android:layout_marginBottom="8dp" />

    <!-- Gender -->
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Gender:" />
    <RadioGroup
        android:id="@+id/rgGender"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:layout_marginBottom="8dp">
        <RadioButton
            android:id="@+id/rbMale"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Male" />
        <RadioButton
            android:id="@+id/rbFemale"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Female" />
    </RadioGroup>

    <!-- Age -->
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Age:" />
    <EditText
        android:id="@+id/etAge"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Age"
        android:background="@android:color/darker_gray"
        android:padding="8dp"
        android:inputType="number"
        android:layout_marginBottom="8dp" />

    <!-- Date of Birth -->
    <TextView
        android:layout_width="wrap_content"
```

```xml
            android:layout_height="wrap_content"
            android:text="DOB:" />
        <DatePicker
            android:id="@+id/datePickerDOB"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:calendarViewShown="true"
            android:layout_marginBottom="8dp" />

        <!-- State -->
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="State:" />
        <Spinner
            android:id="@+id/spinnerState"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:entries="@array/states"
            android:layout_marginBottom="16dp" />

        <!-- Submit Button -->
        <Button
            android:id="@+id/btnSubmit"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Submit"
            android:layout_marginBottom="16dp" />

        <!-- Output TextView -->
        <TextView
            android:id="@+id/tvOutput"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:padding="8dp" />
    </LinearLayout>
</ScrollView>


package com.example.exp4;

import android.os.Bundle;
import android.view.View;
```

```java
import android.widget.*;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    EditText etName, etPassword, etAddress, etAge;
    RadioGroup rgGender;
    DatePicker datePickerDOB;
    Spinner spinnerState;
    Button btnSubmit;
    TextView tvOutput;

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

        // Initialize views
        etName = findViewById(R.id.etName);
        etPassword = findViewById(R.id.etPassword);
        etAddress = findViewById(R.id.etAddress);
        etAge = findViewById(R.id.etAge);
        rgGender = findViewById(R.id.rgGender);
        datePickerDOB = findViewById(R.id.datePickerDOB);
        spinnerState = findViewById(R.id.spinnerState);
        btnSubmit = findViewById(R.id.btnSubmit);
        tvOutput = findViewById(R.id.tvOutput);

        // Set listener on the Submit button
        btnSubmit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String name = etName.getText().toString();
                String password = etPassword.getText().toString();
                String address = etAddress.getText().toString();
                String age = etAge.getText().toString();

                // Get selected gender text
                int selectedGenderId = rgGender.getCheckedRadioButtonId();
                String gender = "";
                if (selectedGenderId != -1) {
                    RadioButton rb = findViewById(selectedGenderId);
                    gender = rb.getText().toString();
```

```java
        }

        // Get Date of Birth from DatePicker (month is 0-indexed)
        int day = datePickerDOB.getDayOfMonth();
        int month = datePickerDOB.getMonth() + 1;
        int year = datePickerDOB.getYear();
        String dob = day + "/" + month + "/" + year;

        // Get selected state
        String state = spinnerState.getSelectedItem().toString();

        // Build output string
        String output = "Name: " + name + "\n" +
            "Password: " + password + "\n" +
            "Address: " + address + "\n" +
            "Gender: " + gender + "\n" +
            "Age: " + age + "\n" +
            "DOB: " + dob + "\n" +
            "State: " + state;
        tvOutput.setText(output);
        }
    });
    }
}
```

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string name="app_name">MyApp</string>
    <string-array name="states">
        <item>California</item>
        <item>New York</item>
        <item>Texas</item>
        <item>Florida</item>
    </string-array>
</resources>
```

EXP3

```java
package com.example.exp3;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        final EditText editTextName = findViewById(R.id.editTextName);
        final TextView textViewOutput = findViewById(R.id.textViewOutput);
        Button btnSubmit = findViewById(R.id.btnSubmit);

        btnSubmit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String name = editTextName.getText().toString();
                textViewOutput.setText("Hello " + name+"!");
            }
        });
    }
}
```

```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="match_parent"
    android:gravity="center"
    android:orientation="vertical">

    <!-- Row for Name label and EditText -->
    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
```

```xml
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Name:" />

    <EditText
        android:id="@+id/editTextName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="@android:color/darker_gray"
        android:hint="Enter name"
        android:layout_marginStart="8dp" />
</LinearLayout>

<!-- Submit button -->
<Button
    android:id="@+id/btnSubmit"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Submit"
    android:layout_marginTop="16dp" />

<!-- Output TextView -->
<TextView
    android:id="@+id/textViewOutput"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="24dp" />
</LinearLayout>
```

EXP2

```java
package com.example.exp2;

import android.app.Activity;
import android.os.Bundle;
```

```java
public class MainActivity extends Activity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        // Link to the layout defined in activity_main.xml
        setContentView(R.layout.activity_main);
    }
}
```

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

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello, World!"
        android:layout_gravity="center" />
</FrameLayout>
```