1.Login

Xml Code

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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">
<Button
android:id="@+id/button"
android:layout width="wrap content"
android:layout_height="wrap_content"
android:text="LOGIN"
app:layout constraintBottom toBottomOf="parent"
app:layout constraintEnd toEndOf="parent"
app:layout constraintHorizontal bias="0.498"
app:layout_constraintStart_toStartOf="parent"
app:layout constraintTop toBottomOf="@+id/et2"
app:layout constraintVertical bias="0.156" />
<EditText
android:id="@+id/et1"
android:layout width="231dp"
android:layout height="76dp"
android:layout marginBottom="8dp"
android:ems="10"
android:inputType="textPersonName"
android:text=""
app:layout constraintBottom toTopOf="@+id/et2"
app:layout_constraintEnd_toEndOf="parent"
```

```
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout constraintVertical bias="0.711"
tools:ignore="MissingConstraints" />
<EditText
android:id="@+id/et2"
android:layout_width="229dp"
android:layout height="72dp"
android:layout marginBottom="412dp"
android:ems="10"
android:inputType="textPersonName"
android:text=""
app:layout constraintBottom toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout constraintHorizontal bias="0.505"
app:layout constraintStart toStartOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Java Code

```
package com.example.login;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import java.util.Objects;
public class MainActivity extends AppCompatActivity {
@Override
protected void onCreate(Bundle savedInstanceState) {
EditText Username, password;
Button LOGIN;
super.onCreate(savedInstanceState);
```

```
setContentView(R.layout.activity_main);
Username = findViewById(R.id.et1);
password = findViewById(R.id.et2);
LOGIN = findViewByld(R.id.button);
LOGIN.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
if (Objects.equals(Username.getText().toString(), "admin") &&
Objects.equals(password.getText().toString(), "admin"))
{
Toast.makeText(MainActivity.this, "authentication Successfully",
Toast.LENGTH_LONG).show();
}
else{
Toast.makeText(MainActivity.this, "Failed", Toast.LENGTH LONG).show();
}
});
```

2.Activity Life Cycle

Java Code

```
package com.example.activitylifecycle;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
Toast.makeText(this, "activity created", Toast.LENGTH_SHORT).show();
}
@Override
protected void onStart() {
super.onStart();
Toast.makeText(this, "activity paused", Toast.LENGTH SHORT).show();
}
@Override
protected void onResume() {
```

```
super.onResume();
Toast.makeText(this, "activity resumed", Toast.LENGTH SHORT).show();
}
@Override
protected void onPause() {
super.onPause();
Toast.makeText(this, "activity paused", Toast.LENGTH_SHORT).show();
}
@Override
protected void onStop() {
super.onStop();
Toast.makeText(this, "activity stopped", Toast.LENGTH SHORT).show();
@Override
protected void onRestart() {
super.onRestart();
Toast.makeText(this, "activity restarted", Toast.LENGTH SHORT).show();
@Override
protected void onDestroy(){
super.onDestroy();
Toast.makeText(this,"destroy",Toast.LENGTH_SHORT).show();
}
}
```

3.CALCULATOR

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
 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/res"
    android:layout width="147dp"
    android:layout height="54dp"
    android:text=" "
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintStart toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout constraintVertical bias="0.54" />
 <EditText
    android:id="@+id/num1"
    android:layout width="216dp"
    android:layout height="59dp"
    android:ems="10"
    android:inputType="textPersonName"
    android:text=""
```

```
app:layout_constraintBottom_toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.172"
  tools:ignore="MissingConstraints" />
<EditText
  android:id="@+id/num2"
  android:layout width="229dp"
  android:layout height="58dp"
  android:ems="10"
  android:inputType="textPersonName"
  android:text=""
  app:layout constraintBottom toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintHorizontal bias="0.461"
  app:layout constraintStart toStartOf="parent"
  app:layout constraintTop toTopOf="parent"
  app:layout constraintVertical bias="0.383" />
<Button
  android:id="@+id/button5"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:onClick="dosum"
  android:text="add"
  app:layout constraintBottom toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintHorizontal bias="0.309"
  app:layout constraintStart toStartOf="parent"
  app:layout constraintTop toTopOf="parent"
  app:layout constraintVertical bias="0.724" />
```

<Button

```
android:id="@+id/button6"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:onClick="dosub"
  android:text="sub"
  app:layout constraintBottom toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout constraintHorizontal bias="0.749"
  app:layout constraintStart toStartOf="parent"
  app:layout constraintTop toTopOf="parent"
  app:layout constraintVertical bias="0.904" />
<Button
  android:id="@+id/button7"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:onClick="domult"
  android:text="mul"
  app:layout constraintBottom toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout constraintHorizontal bias="0.309"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.877" />
<Button
  android:id="@+id/button8"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:onClick="dodiv"
  android:text="div"
  app:layout constraintBottom toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintHorizontal bias="0.749"
  app:layout constraintStart toStartOf="parent"
```

```
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.722" />
```

```
package com.example.calculator;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
 EditText e1,e2;
 TextView t1;
 int n1,n2;
  @Override
 protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
  }
  public boolean getNumbers() {
    e1 = (EditText) findViewById(R.id.num1);
    e2 = (EditText) findViewById(R.id.num2);
    t1 = (TextView) findViewById(R.id.res);
    String s1 = e1.getText().toString();
    String s2 = e2.getText().toString();
```

```
n1 = Integer.parseInt(s1);
     n2 = Integer.parseInt(s2);
   return true;
}
public void dosum(View v) {
  if (getNumbers()) {
     int sum = n1 + n2;
     t1.setText((Integer.toString(sum)));
  }
public void dosub(View v)
  if(getNumbers()) {
     int sum = n1 - n2;
     t1.setText(Integer.toString(sum));
}
public void domult(View v)
{
  if(getNumbers()){
     int sum=n1*n2;
    t1.setText(Integer.toString(sum));
public void dodiv(View v)
  if(getNumbers()){
     double sum=n1/n2;
    t1.setText(Double.toString(sum));
```

4.EXPLICIT INTENT

activitymain.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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/textView"
    android:layout width="257dp"
    android:layout height="50dp"
    android:text="Enter the data"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.449"
    app:layout constraintStart toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.128" />
 <EditText
    android:id="@+id/name"
    android:layout width="308dp"
    android:layout height="64dp"
    android:ems="10"
    android:inputType="textPersonName"
    android:text=" "
    app:layout_constraintBottom_toBottomOf="parent"
```

```
app:layout_constraintEnd_toEndOf="parent"
  app:layout constraintHorizontal bias="0.473"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout_constraintVertical bias="0.343" />
<EditText
  android:id="@+id/email"
  android:layout width="305dp"
  android:layout height="58dp"
  android:ems="10"
  android:inputType="textPersonName"
  android:text=" "
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.499" />
<EditText
  android:id="@+id/phone"
  android:layout width="295dp"
  android:layout_height="63dp"
  android:ems="10"
  android:inputType="textPersonName"
  android:text=" "
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintHorizontal bias="0.422"
  app:layout constraintStart toStartOf="parent"
  app:layout constraintTop toTopOf="parent"
  app:layout constraintVertical bias="0.649" />
<Button
  android:id="@+id/b1"
```

```
android:layout_width="180dp"
android:layout_height="65dp"
android:text="Button"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.474"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.841" />
```

```
package com.example.explicit;

import androidx.appcompat.app.AppCompatActivity;

import android.app.ActionBar;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

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

```
Button sub=findViewById(R.id.b1);
    EditText nm=findViewByld(R.id.name);
    EditText eml=findViewByld(R.id.email);
    EditText pho=findViewById(R.id.phone);
    sub.setOnClickListener(new View.OnClickListener() {
       @Override
      public void onClick(View view) {
         Intent i=new Intent(MainActivity.this, MainActivity2.class);
         String user=nm.getText().toString();
         i.putExtra("Name",user);
         String Email=eml.getText().toString();
         i.putExtra("Email",Email);
         String phones=pho.getText().toString();
         i.putExtra("Phone",phones);
         startActivity(i);
      }
    });
activity2.xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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=".MainActivity2">
  <EditText
    android:id="@+id/et1"
    android:layout width="254dp"
```

```
android:layout_height="87dp"
  android:ems="10"
  android:inputType="textPersonName"
  android:text="name"
  app:layout constraintBottom toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.503"
  app:layout constraintStart toStartOf="parent"
  app:layout constraintTop toTopOf="parent"
  app:layout_constraintVertical bias="0.096"
  tools:ignore="MissingConstraints" />
<EditText
  android:id="@+id/et2"
  android:layout width="250dp"
  android:layout height="61dp"
  android:ems="10"
  android:inputType="textPersonName"
  android:text="Email"
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintHorizontal bias="0.602"
  app:layout_constraintStart_toStartOf="parent"
  app:layout constraintTop toTopOf="parent"
  app:layout constraintVertical bias="0.325"
  tools:ignore="MissingConstraints" />
<EditText
  android:id="@+id/et3"
  android:layout width="254dp"
  android:layout height="53dp"
  android:ems="10"
  android:inputType="textPersonName"
  android:text="Phone"
  app:layout constraintBottom toBottomOf="parent"
```

```
app:layout_constraintEnd_toEndOf="parent" app:layout_constraintStart_toStartOf="parent" app:layout_constraintTop_toTopOf="parent" app:layout_constraintVertical_bias="0.674" tools:ignore="MissingConstraints" />
```

JAVA CODE

```
package com.example.explicit;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.EditText;
import android.widget.TextView;
public class MainActivity2 extends AppCompatActivity {
EditText r1,r2,r3;
  @Override
 protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main2);
    r1 = findViewById(R.id.t1);
    r2= findViewById(R.id.t2);
    r3 = findViewById(R.id.t3);
    Intent intent = getIntent();
    String str1 = intent.getStringExtra("Name");
    r1.setText(str1);
    String str2 = intent.getStringExtra("Phone");
```

```
r2.setText(str2);
String str3 = intent.getStringExtra("Email");
r3.setText(str3);
}
```

5.Implicit intent

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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/textView"
    android:layout width="wrap content"
         android:layout height="wrap content"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent" />
 <EditText
    android:id="@+id/et1"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:text=""
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout constraintVertical bias="0.317" />
```

```
<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:onClick="send"
    android:text="Button"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.409" />
```

```
package com.example.implicit;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import java.net.URL;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity{
   EditText e1;
   public void onCreate(Bundle savedInstanceState)
   {
      super.onCreate(savedInstanceState);
```

```
setContentView(R.layout.activity_main);
e1=findViewById(R.id.et1);

public void send(View v)
{ String url=e1.getText().toString();
    Intent i=new Intent(Intent.ACTION_VIEW,Uri.parse(url));
    startActivity(i);}}
```

6.Relative layout

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</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"
 tools:context=".MainActivity">
 <RelativeLayout
    android:layout width="409dp"
    android:layout height="354dp"
    tools:layout editor absoluteX="1dp"
    tools:layout editor absoluteY="2dp" >
    <lmageView</pre>
      android:id="@+id/imageView"
      android:layout width="match parent"
      android:layout_height="187dp"
      app:srcCompat="@drawable/Facebook" />
    < Image View
      android:id="@+id/imageView2"
      android:layout width="189dp"
      android:layout height="121dp"
      android:layout below="@+id/imageView"
      android:layout marginTop="-2dp"
      app:srcCompat="@drawable/baby" />
    <Button
      android:id="@+id/button2"
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Button"
android:layout_below="@+id/imageView"
android:layout_toRightOf="@+id/imageView2"/>

<Button
android:id="@+id/button3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_toRightOf="@+id/button2"
android:layout_below="@+id/imageView"

android:text="Button"/>
</RelativeLayout>
```

7.GRID TOGGLE

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
 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 margin="20dp"
  android:orientation="vertical"
 tools:context=".MainActivity">
  <lmageView</pre>
    android:id="@+id/image"
    android:layout width="match parent"
    android:layout_height="250dp"/>
  <ToggleButton
    android:id="@+id/button"
    android:onClick="click"
    android:layout width="match parent"
    android:layout height="wrap content"/>
</LinearLayout>
Java code
package com.example.toggle;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import android.widget.ToggleButton;
```

```
import androidx.appcompat.app.AppCompatActivity;
import com.example.toggle.R;
public class MainActivity extends AppCompatActivity {
 ImageView img;
 ToggleButton btn;
 @Override
 protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    img = findViewById(R.id.image);
    btn = findViewById(R.id.button);
img.setImageDrawable(getResources().getDrawable(R.drawable.img));
 }
 public void click(View view){
    if(btn.isChecked()){
img.setImageDrawable(getResources().getDrawable(R.drawable.img_1));
    }else{
img.setImageDrawable(getResources().getDrawable(R.drawable.img));
 }
```

8.ARRAY ADAPTER

activity main.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:layout width="match parent"
android:layout height="match parent"
tools:context=".MainActivity">
  <Spinner
    android:id="@+id/animalNamesSpinner"
    android:layout width="108dp"
    android:layout height="99dp"
    android:layout_centerInParent="true" />
</RelativeLayout>
activity simpe spinnner.xml
<?xml version="1.0" encoding="utf-8"?>
<TextView xmlns:android="http://schemas.android.com/apk/res/android"
 android:id="@android:id/text1"
 style="?android:attr/spinnerItemStyle"
 android:singleLine="true"
 android:layout width="match parent"
 android:layout height="wrap content"
 android:ellipsize="marquee"
```

android:textAlignment="inherit"/>

```
package com.example.arrayadapter;
import android.app.Activity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Spinner;
import android.widget.Toast;
import com.example.arrayadapter.R;
public class MainActivity extends Activity implements
    AdapterView.OnItemSelectedListener {
 // Array of strings...
 String animalList[] = {"Lion", "Tiger", "Monkey", "Elephant", "Dog", "Cat",
"Camel"};
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    Spinner spin = (Spinner) findViewById(R.id.animalNamesSpinner);
    spin.setOnItemSelectedListener(this);
    ArrayAdapter aa = new ArrayAdapter(this,
android.R.layout.simple spinner item, animalList);
aa.setDropDownViewResource(android.R.layout.simple spinner dropdown
item);
```

```
spin.setAdapter(aa);
}

@Override
public void onItemSelected(AdapterView<?> arg0, View arg1, int position,
long id) {
    Toast.makeText(getApplicationContext(), animalList[position],
Toast.LENGTH_LONG).show();
}

@Override
public void onNothingSelected(AdapterView<?> arg0) {
}
```

9.Fragment

fragment2.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:background="#FF03DAC5"
 android:layout_width="match_parent"
 android:layout height="match parent"
 tools:context=".fragment2">
 <!-- TODO: Update blank fragment layout -->
 <TextView
    android:id="@+id/textView2"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Fragment2"
    android:textSize="50dp"
    android:layout centerInParent="true"
    />
</RelativeLayout>
```

fragment1.java

```
package com.example.fragmentdemo;
import android.os.Bundle;
import androidx.fragment.app.Fragment;
```

```
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
public class fragment1 extends Fragment {
 View view;
  @Override
  public View on Create View (Layout Inflater inflater, View Group container,
                 Bundle savedInstanceState) {
    // Inflate the layout for this fragment
    view= inflater.inflate(R.layout.fragment_fragment1, container, false);
    return view:
}
fragment2.java
package com.example.fragmentdemo;
import android.os.Bundle;
import androidx.fragment.app.Fragment;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
public class fragment2 extends Fragment {
  View view;
  @Override
 public View on Create View (Layout Inflater inflater, View Group container,
                 Bundle savedInstanceState) {
```

```
// Inflate the layout for this fragment
view= inflater.inflate(R.layout.fragment_fragment2, container, false);
return view;
}
```

Mainactivity.java

```
mainactivity.java
package com.example.fragmentdemo;
import androidx.appcompat.app.AppCompatActivity;
import androidx.fragment.app.Fragment;
import androidx.fragment.app.FragmentManager;
import androidx.fragment.app.FragmentTransaction;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
public class MainActivity extends AppCompatActivity {
  Button first, second;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    first=findViewById(R.id.button);
    second=findViewById(R.id.button2);
    first.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View view) {
```

```
replaceFragment(new fragment1());
}
});
second.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        replaceFragment(new fragment2());
    }
});
}

private void replaceFragment(Fragment fragment) {
    FragmentManager fragmentmanager =getSupportFragmentManager();
    FragmentTransaction

fragmentTransaction=fragmentmanager.beginTransaction();
    fragmentTransaction.replace(R.id.framelayout,fragment);
    fragmentTransaction.commit();
}
```