2.19 My Fragments

ActivityMain.java

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| package com.example.fragment;  import android.os.Bundle;  import com.google.android.material.floatingactionbutton.FloatingActionButton; import com.google.android.material.snackbar.Snackbar;  import androidx.appcompat.app.AppCompatActivity; import androidx.appcompat.widget.Toolbar; import androidx.fragment.app.FragmentActivity;  import android.view.View; import android.view.Menu; import android.view.MenuItem;  public class MainActivity extends FragmentActivity {   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_main*);  Toolbar toolbar = findViewById(R.id.*fragment*);  }   @Override  public boolean onCreateOptionsMenu(Menu menu) {  // Inflate the menu; this adds items to the action bar if it is present.  getMenuInflater().inflate(R.menu.*menu\_main*, menu);  return true;  }   @Override  public boolean onOptionsItemSelected(MenuItem item) {  // Handle action bar item clicks here. The action bar will  // automatically handle clicks on the Home/Up button, so long  // as you specify a parent activity in AndroidManifest.xml.  int id = item.getItemId();   //noinspection SimplifiableIfStatement  if (id == R.id.*action\_settings*) {  return true;  }   return super.onOptionsItemSelected(item);  } } |

mainActivity.xml

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| <?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:paddingLeft="@dimen/activity\_horizontal\_margin"  android:paddingRight="@dimen/activity\_horizontal\_margin"  android:paddingTop="@dimen/activity\_vertical\_margin"  android:paddingBottom="@dimen/activity\_vertical\_margin"  android:layout\_height="match\_parent"  tools:context=".MainActivity">   <fragment  android:layout\_width="240px"  android:layout\_height="wrap\_content"  android:name="com.example.fragment.MainActivity"  android:id="@+id/fragment"  android:layout\_alignParentTop="true"  android:layout\_alignParentStart="true"/>   <fragment  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:name="com.example.fragment.MainActivity"  android:id="@+id/fragment2"  android:layout\_alignTop="@+id/fragment"  android:layout\_alignBottom="@+id/fragment"  android:layout\_toEndOf="@+id/fragment" />    </RelativeLayout> |

menuFragment.java

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| package com.example.fragment;  import androidx.appcompat.app.AppCompatActivity; import androidx.fragment.app.ListFragment;  import android.os.Bundle; import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup; import android.widget.ArrayAdapter; import android.widget.ListView;  public class MenuFragment extends ListFragment {   String[] AndroidOS = new String[] {"Cupcake", "Donut","Eclair","Froyo","Gingerbread","HoneyComb","Ice Cream", "Jelly Bean","Kitkat"};  String[] Version = new String[] {"1.5","1.6","2.0 - 2.1","2.2","2.3","3.0 - 3.2","4.0","4.1 - 4.3","4.4"};   @Override  public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState) {   View view = inflater.inflate(R.layout.*list\_fragment*, container,false);  ArrayAdapter<String> adapter = new ArrayAdapter<String>(getActivity(), android.R.layout.*simple\_list\_item\_1*, AndroidOS);  setListAdapter(adapter);   return view;  }   @Override  public void onListItemClick(ListView l, View v, int position, long id) {  TextFragment txt = (TextFragment)getFragmentManager().findFragmentById(R.id.*fragment2*);  txt.change(AndroidOS[position],"Version : " + Version[position]);  getListView().setSelector(android.R.color.*holo\_blue\_dark*);   } } |

activityText\_Fragment.xml

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| <?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:paddingTop="@dimen/activity\_vertical\_margin"  android:paddingRight="@dimen/activity\_horizontal\_margin"  android:paddingLeft="@dimen/activity\_horizontal\_margin"  android:gravity="center"  android:background="#5ba4e5"  tools:context=".TextFragment">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:textAppearance="?android:attr/textAppearanceLarge"  android:text="Large Text"  android:id="@+id/AndroidOs"  android:layout\_alignParentTop="true"  android:layout\_alignParentStart="true"  android:gravity="center"  android:textColor="#ffffff"/>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:textAppearance="?android:attr/textAppearanceMedium"  android:text="Medium Text"  android:id="@+id/Version"  android:layout\_below="@+id/AndroidOs"  android:layout\_alignStart="@+id/AndroidOs"  android:textColor="#ffffff"/>  </RelativeLayout> |

textFragment.java

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| package com.example.fragment;  import androidx.annotation.NonNull; import androidx.annotation.Nullable; import androidx.appcompat.app.AppCompatActivity; import androidx.fragment.app.Fragment;  import android.os.Bundle; import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup; import android.widget.TextView;  public class TextFragment extends Fragment {   TextView text, vers;   @Nullable  @Override  public View onCreateView(LayoutInflater inflater,ViewGroup container,Bundle savedInstanceState) {  View view = inflater.inflate(R.layout.*activity\_text\_fragment*, container, false);  text=(TextView) view.findViewById(R.id.*AndroidOs*);  vers=(TextView) view.findViewById(R.id.*Version*);  return view;  }   public void change(String txt,String txt1){  text.setText(txt);  vers.setText(txt1);  } } |

listFragment.xml

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| <?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">   <ListView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:id="@android:id/list"  android:layout\_gravity="center\_horizontal"/>  </LinearLayout> |