**TableLayout,FrameLayout,View**

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

android:layout\_height="match\_parent"

android:layout\_width="match\_parent"

>

<TextView android:text="LeftTop"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<TextView android:layout\_height="wrap\_content"

android:layout\_width="wrap\_content"

android:text="RightTop"

android:layout\_gravity="top|right" />

<TextView android:layout\_height="wrap\_content"

android:layout\_width="wrap\_content"

android:text="CentreTop"

android:layout\_gravity="top|center\_horizontal" />

<TextView android:text="Left"

android:layout\_gravity="left|center\_vertical"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<TextView android:layout\_height="wrap\_content"

android:layout\_width="wrap\_content"

android:text="Right"

android:layout\_gravity="right|center\_vertical" />

<TextView android:layout\_height="wrap\_content"

android:layout\_width="wrap\_content"

android:text="Centre"

android:layout\_gravity="center" />

<TextView android:text="LeftBottom"

android:layout\_gravity="left|bottom"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<TextView android:layout\_height="wrap\_content"

android:layout\_width="wrap\_content"

android:text="RightBottom"

android:layout\_gravity="right|bottom" />

<TextView android:layout\_height="wrap\_content"

android:layout\_width="wrap\_content"

android:text="CenterBottom"

android:layout\_gravity="center|bottom" />

</FrameLayout>

<?xml version="1.0" encoding="utf-8"?>

<TableLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent">

<TableRow

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent">

<TextView

android:text="Time"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_column="1" />

<TextClock

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/textClock"

android:layout\_column="2" />

</TableRow>

<TableRow>

<TextView

android:text="First Name"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_column="1" />

<EditText

android:width="200px"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

</TableRow>

<TableRow>

<TextView

android:text="Last Name"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_column="1" />

<EditText

android:width="100px"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

</TableRow>

<TableRow

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent">

<RatingBar

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/ratingBar"

android:layout\_column="2" />

</TableRow>

<TableRow

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent"/>

<TableRow

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent">

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Submit"

android:id="@+id/button"

android:layout\_column="2" />

</TableRow>

</TableLayout>

**Linear,RelativeLayouts**

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent"

xmlns:android="http://schemas.android.com/apk/res/android">

<TextView

android:id="@+id/parent\_rl"

android:text="Parent RelativeLayout"

android:textSize="18sp"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<LinearLayout

android:orientation="horizontal"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:id="@+id/linearLayout"

android:layout\_below="@id/parent\_rl"

android:layout\_alignParentRight="true"

android:layout\_alignParentEnd="true">

<TextView

android:text="Nested Horizontal"

android:textSize="18sp"

android:layout\_margin="10dp"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<TextView

android:text="LL"

android:textSize="18sp"

android:layout\_margin="10dp"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<LinearLayout

android:orientation="vertical"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content">

<TextView

android:text="Double Nested"

android:textSize="18sp"

android:layout\_margin="10dp"

android:layout\_gravity="center"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<TextView

android:text="Vertical"

android:textSize="18sp"

android:layout\_margin="10dp"

android:layout\_gravity="center"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<TextView

android:text="LL"

android:textSize="18sp"

android:layout\_margin="10dp"

android:layout\_gravity="center"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

</LinearLayout>

</LinearLayout>

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_below="@id/linearLayout">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textAppearance="?android:attr/textAppearanceMedium"

android:text="Nested Relative Layout"

android:id="@+id/textView"

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true" />

<Button

android:id="@+id/back\_button\_pressed"

android:text="back"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/textView"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="66dp" />

</RelativeLayout>

</RelativeLayout>

**View pager and tabLayout**

<?xml version="1.0" encoding="utf-8"?>

<android.support.design.widget.CoordinatorLayout 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:id="@+id/main\_content"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:fitsSystemWindows="true"

tools:context="com.example.view\_pagger\_tab\_example\_demo.MainActivity">

<android.support.design.widget.AppBarLayout

android:id="@+id/appbar"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:paddingTop="@dimen/appbar\_padding\_top"

android:theme="@style/AppTheme.AppBarOverlay">

<android.support.v7.widget.Toolbar

android:id="@+id/toolbar"

android:layout\_width="match\_parent"

android:layout\_height="?attr/actionBarSize"

android:background="?attr/colorPrimary"

app:layout\_scrollFlags="scroll|enterAlways"

app:popupTheme="@style/AppTheme.PopupOverlay">

</android.support.v7.widget.Toolbar>

</android.support.design.widget.AppBarLayout>

<android.support.v4.view.ViewPager

android:id="@+id/container"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior" />

<android.support.design.widget.FloatingActionButton

android:id="@+id/fab"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="end|bottom"

android:layout\_margin="@dimen/fab\_margin"

android:src="@android:drawable/ic\_dialog\_email" />

</android.support.design.widget.CoordinatorLayout>

<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"

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.view\_pagger\_tab\_example\_demo.MainActivity$PlaceholderFragment">

<TextView

android:id="@+id/section\_label"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

</RelativeLayout>

package com.example.view\_pagger\_tab\_example\_demo;

import android.support.design.widget.FloatingActionButton;

import android.support.design.widget.Snackbar;

import android.support.v7.app.AppCompatActivity;

import android.support.v7.widget.Toolbar;

import android.support.v4.app.Fragment;

import android.support.v4.app.FragmentManager;

import android.support.v4.app.FragmentPagerAdapter;

import android.support.v4.view.ViewPager;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.view.ViewGroup;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

/\*\*

\* The {@link android.support.v4.view.PagerAdapter} that will provide

\* fragments for each of the sections. We use a

\* {@link FragmentPagerAdapter} derivative, which will keep every

\* loaded fragment in memory. If this becomes too memory intensive, it

\* may be best to switch to a

\* {@link android.support.v4.app.FragmentStatePagerAdapter}.

\*/

private SectionsPagerAdapter mSectionsPagerAdapter;

/\*\*

\* The {@link ViewPager} that will host the section contents.

\*/

private ViewPager mViewPager;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);

setSupportActionBar(toolbar);

// Create the adapter that will return a fragment for each of the three

// primary sections of the activity.

mSectionsPagerAdapter = new SectionsPagerAdapter(getSupportFragmentManager());

// Set up the ViewPager with the sections adapter.

mViewPager = (ViewPager) findViewById(R.id.container);

mViewPager.setAdapter(mSectionsPagerAdapter);

FloatingActionButton fab = (FloatingActionButton) findViewById(R.id.fab);

fab.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Snackbar.make(view, "Replace with your own action", Snackbar.LENGTH\_LONG)

.setAction("Action", null).show();

}

});

}

@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);

}

/\*\*

\* A placeholder fragment containing a simple view.

\*/

public static class PlaceholderFragment extends Fragment {

/\*\*

\* The fragment argument representing the section number for this

\* fragment.

\*/

private static final String ARG\_SECTION\_NUMBER = "section\_number";

public PlaceholderFragment() {

}

/\*\*

\* Returns a new instance of this fragment for the given section

\* number.

\*/

public static PlaceholderFragment newInstance(int sectionNumber) {

PlaceholderFragment fragment = new PlaceholderFragment();

Bundle args = new Bundle();

args.putInt(ARG\_SECTION\_NUMBER, sectionNumber);

fragment.setArguments(args);

return fragment;

}

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

View rootView = inflater.inflate(R.layout.fragment\_main, container, false);

TextView textView = (TextView) rootView.findViewById(R.id.section\_label);

textView.setText(getString(R.string.section\_format, getArguments().getInt(ARG\_SECTION\_NUMBER)));

return rootView;

}

}

/\*\*

\* A {@link FragmentPagerAdapter} that returns a fragment corresponding to

\* one of the sections/tabs/pages.

\*/

public class SectionsPagerAdapter extends FragmentPagerAdapter {

public SectionsPagerAdapter(FragmentManager fm) {

super(fm);

}

@Override

public Fragment getItem(int position) {

// getItem is called to instantiate the fragment for the given page.

// Return a PlaceholderFragment (defined as a static inner class below).

return PlaceholderFragment.newInstance(position + 1);

}

@Override

public int getCount() {

// Show 3 total pages.

return 3;

}

@Override

public CharSequence getPageTitle(int position) {

switch (position) {

case 0:

return "SECTION 1";

case 1:

return "SECTION 2";

case 2:

return "SECTION 3";

}

return null;

}

}

}