



## Dynamic Fragment (using display Metric)

Observe that when the emulator is in portrait mode, *Fragment Two* is displayed and if you change the orientation of the emulator to landscape, *Fragment One* is shown instead.

### MainActivity.xml

```
<?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:orientation="vertical"
    tools:context=".MainActivity">
</LinearLayout>
```

### MainActivity .java

```
package com.example.itech_mgr.myapplication;

import android.app.Activity;
import android.app.FragmentManager;
import android.app.FragmentTransaction;
import android.os.Bundle;
import android.util.DisplayMetrics;
import android.view.View;
import android.widget.EditText;

public class MainActivity extends Activity {
    EditText fragid;
    public int a=0;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

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```

super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);

FragmentManager fm = getFragmentManager();
FragmentTransaction ft=fm.beginTransaction();

DisplayMetrics disp= this.getResources().getDisplayMetrics();

int w=disp.widthPixels;
int h=disp.heightPixels;

if(w>h)
{
    FragmentOne f1=new FragmentOne();
    ft.replace(android.R.id.content,f1);

}
else
{
    Fragmenttwo f2=new Fragmenttwo();
    ft.replace(android.R.id.content,f2);
}
ft.commit();
}
}

```

Fragment One	
XML	JAVA
<pre> &lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;FrameLayout 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:background="#a5ccf4"     tools:context=".FragmentOne"&gt;      &lt;!-- TODO: Update blank fragment layout --&gt;     &lt;TextView      android:layout_width="match_parent"      android:layout_height="match_parent"      android:text="@string/fragment_one" /&gt; &lt;/FrameLayout&gt; </pre>	<pre> package com.example.itech_mgr.myapplication;  import android.os.Bundle; import android.app.Fragment; import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup;  /**  * A simple {@link Fragment} subclass.  */ public class FragmentOne extends Fragment {      public FragmentOne() {         // Required empty public         constructor     }     @Override     public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState) {         // Inflate the layout for this         fragment         return inflater.inflate(R.layout.fragment_frag ment_one, container, false);     }} </pre>

Fragment Two	
XML	JAVA
<pre> &lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;FrameLayout xmlns:android="http://schemas.android.com/ apk/res/android"  xmlns:tools="http://schemas.android.com/to ols"     android:layout_width="match_parent"     android:layout_height="match_parent"     android:background="#bd9bcf"     tools:context=".Fragmenttwo"&gt;      &lt;!-- TODO: Update blank fragment layout --&gt;     &lt;TextView  android:layout_width="match_parent"  android:layout_height="match_parent"  android:text="@string/fragment_two" /&gt; &lt;/FrameLayout&gt; </pre>	<pre> package com.example.itech_mgr.myapplication;  import android.os.Bundle; import android.app.Fragment; import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup;  /**  * A simple {@link Fragment} subclass.  */ public class Fragmenttwo extends Fragment {      public Fragmenttwo() {         // Required empty public constructor     }      @Override     public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState) {         // Inflate the layout for this fragment         return inflater.inflate(R.layout.fragment_fr agmenttwo, container, false);     } } </pre>