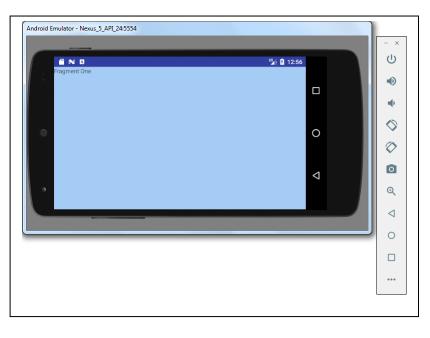
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# **Dynamic Fragment (using display Metric)**

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** 

### <FrameLavout</pre> xmlns:android="http://schemas.android.c om/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"> <!-- TODO: Update blank fragment layout --> <TextView android:layout width="match parent" android:layout height="match parent" android:text="@string/fragment one" /> </FrameLayout>

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

**XML** 

```
JAVA
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);
    } }
```

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#### **Fragment Two JAVA XML** <?xml version="1.0" encoding="utf-8"?> package <FrameLayout</pre> com.example.itech\_mgr.myapplication; xmlns:android="http://schemas.android.com/ apk/res/android" import android.os.Bundle; xmlns:tools="http://schemas.android.com/to import android.app.Fragment; ols" import android.view.LayoutInflater; android:layout\_width="match\_parent" import android.view.View; android:layout height="match parent" import android.view.ViewGroup; android:background="#bd9bcf" tools:context=".Fragmenttwo"> \* A simple {@link Fragment} <!-- TODO: Update blank fragment layout --> subclass. <TextView public class Fragmenttwo extends android:layout width="match parent" Fragment { android:layout height="match parent" public Fragmenttwo() { android:text="@string/fragment\_two" /> // Required empty public constructor </FrameLayout> @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); }