Andro		also known as sub-activity. There can be more than one	← prev next →
Android		y lifecycle because fragments are included in activity.	re embedded in activity
Each fragment has its own life cycle methods that is affected by activity life cycle because fragments are embedded in activity. The FragmentManager class is responsible to make interaction between fragment objects. Android Fragment Lifecycle			
The lifecycle of android fragment is like the activity lifecycle. There are 12 lifecycle methods for fragment.			
onAttach()			
	onCreate()		
	onCreatView() onActivityCreated()		
	onStart()		
	onResume() Fragment is Active		
	Fragment is Active navigates The frag		
	nent is stack the ved/replaced removed	the back em /replaced The fragment	
onPause() returns to the layout from onStop() the back stack			
onDestroyview()			
	onDestroy() onDetach()		
	Fragment is Destroye		
Android Fragment Lifecycle Methods			
No.	Method onAttach(Activity)	Description it is called only once when it is attached with activity.	
2)	onCreate(Bundle) onCreateView(LayoutInflater,	It is used to initialize the fragment. creates and returns view hierarchy.	
4)	ViewGroup, Bundle) onActivityCreated(Bundle)	It is invoked after the completion of onCreate() metho	
5)	onViewStateRestored(Bundle) onStart()	It provides information to the fragment that all the same hierarchy has been restored. makes the fragment visible.	ved state of fragment view
7)	onResume() onPause()	makes the fragment interactive. is called when fragment is no longer interactive.	
9)	onStop() onDestroyView()	is called when fragment is no longer visible. allows the fragment to clean up resources.	
11)	onDestroy() onDetach()	allows the fragment to clean up resources. allows the fragment to do final clean up of fragment st It is called immediately prior to the fragment no longe	
	roid Fragment Example	activity.	- Wall its
Let's have a look at the simple example of android fragment.			
activity_main.xml File: activity_main.xml			
<pre><?xml version="1.0" encoding="utf-8"?> <linearlayout <="" 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"></linearlayout></pre>			
android:layout_width="fill_parent" android:layout_height="fill_parent" tools:context="example.javatpoint.com.fragmentexample.MainActivity">			
<pre><fragment <="" android:id="@+id/fragment1" pre=""></fragment></pre>			
android:name="example.javatpoint.com.fragmentexample.Fragment1" android:layout_width="0px" android:layout_height="match_parent"			
android:layout_weight="1" />			
<pre><fragment <="" android:id="@+id/fragment2" android:layout_width="0px" android:name="example.javatpoint.com.fragmentexample.Fragment2" pre=""></fragment></pre>			
android:layout_width="0px" android:layout_height="match_parent" android:layout_weight="1" />			
File: fragment_fragment1.xml			
<framelayout <="" p="" xmlns:android="http://schemas.android.com/apk/res/android"> xmlns:tools="http://schemas.android.com/tools"</framelayout>			
android:layout_width="match_parent" android:layout_height="match_parent" android:background="#F5F5DC" tools:context="example.javatpoint.com.fragmentexample.Fragment1">			
tools:context="example.javatpoint.com.fragmentexample.Fragment1"> TODO: Update blank fragment layout <textview< td=""></textview<>			
android:layout_width="match_parent" android:layout_height="match_parent" android:text="@string/hello_blank_fragment" />			
<pre>File: fragment_fragment2.xml <framelayout <="" android:layout_width="match_parent" pre="" xmlns:android="http://schemas.android.com/apk/res/android" xmlns:tools="http://schemas.android.com/tools"></framelayout></pre>			
android:layout_width="match_parent" android:layout_height="match_parent" android:background="#F0FFFF" tools:context="example.jayatpoint.com.fragmentexample.Fragment2">			
tools:context="example.javatpoint.com.fragmentexample.Fragment2"> TODO: Update blank fragment layout <textview< td=""></textview<>			
<textview android:layout_height="match_parent" android:layout_width="match_parent" android:text="@string/hello_blank_fragment"></textview>			
android:text="@string/hello_blank_fragment" />			
MainActivity class File: MainActivity java			
package example.javatpoint.com.fragmentexample; import android.support.v7.app.AppCompatActivity:			
import android.support.v7.app.AppCompatActivity; import android.os.Bundle; public class MainActivity extends AppCompatActivity {			
public class MainActivity extends AppCompatActivity { @Override protected void onCreate(Bundle savedInstanceState) {			
<pre>protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity_main); }</pre>			
} File: Fragment1.java			
pack impo	age example.javatpoint.com.fragmente	example;	
import android.support.v4.app.Fragment; import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup;			
public class Fragment1 extends Fragment {			
<pre>@Override public void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); }</pre>			
@Override public View onCreateView(LayoutInflater inflater, ViewGroup container,			
Bundle savedInstanceState) { // Inflate the layout for this fragment return inflater.inflate(R.layout.fragment_fragment1, container, false);			
}			
File: Fragment2.java package example.javatpoint.com.fragmentexample;			
import android.os.Bundle; import android.support.v4.app.Fragment; import android.view.LayoutInflater;			
import android.view.View; import android.view.ViewGroup;			
public class Fragment2 extends Fragment { @Override public void onCreate(Bundle savedInstanceState) {			
<pre>public void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); }</pre>			
@Override public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState) {			
// Inflate the layout for this fragment return inflater.inflate(R.layout.fragment_fragment2, container, false); }			
}			
Outpu	t: 1 0 6:02		
Fragment Example Hello blank fragment 1 Hello blank fragment 2			

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