

Understanding Inter-fragment Communication



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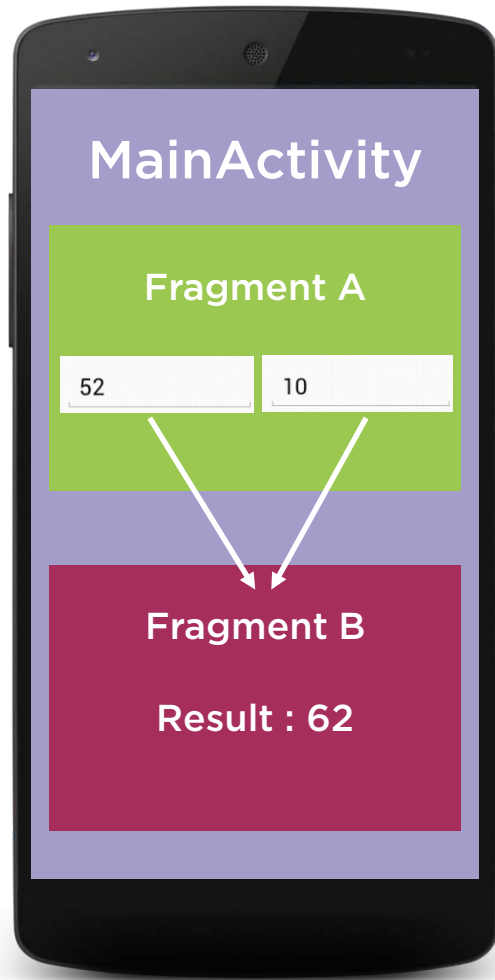
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Sending Data from One Fragment to Another



Take Input in **FragmentA**

- First Number
- Second Number

Pass the Data to **FragmentB**

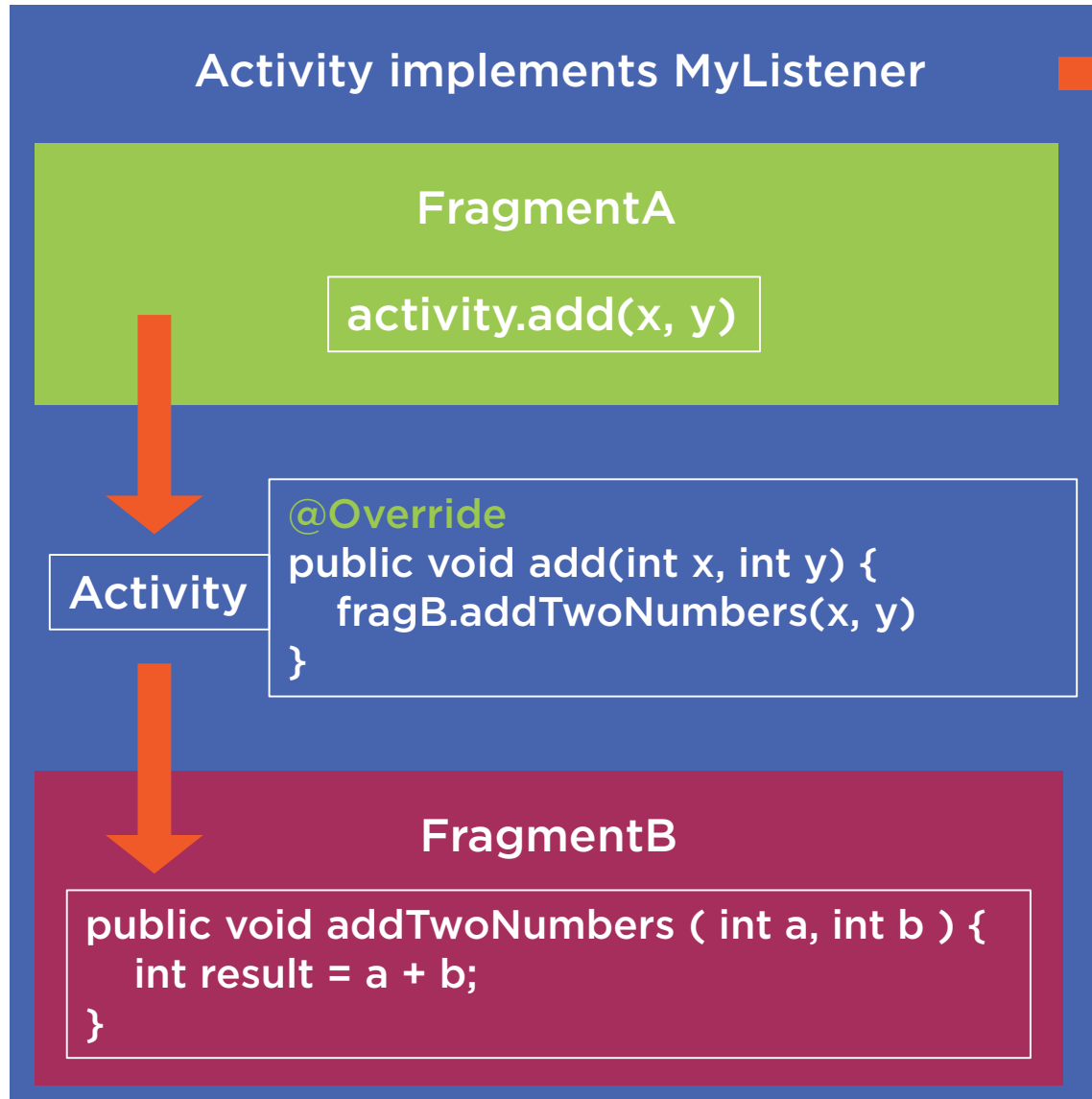
- Add Two Numbers (First Num + Second Num)
- Display the Result



Initial Project Setup



Communication Between Two Fragments



interface MyListener

```
public void add(int num1, int num2) ;
```

- Create an Interface MyListener
 - Define a callback method
- Implement MyListener in Activity
- Pass data from FragmentA to Activity
 - activity.add(x, y)
- Pass data from Activity to FragmentB
 - fragB.addTwoNumbers(x, y)



Inter-fragment Communication

```
MainActivity extends Activity implements MyListener {  
    @Override  
    public void add(int num1, int num2) {  
        FragmentB fragB = manager.findFragmentByTag(..);  
        fragB.addTwoNumbers(num1, num2);  
    }  
}
```

```
class FragmentB extends Fragment {  
    public void addTwoNumbers(int a, int b) {  
        int result = a + b;  
        txvResult.setText("Result : " + result);  
    }  
}
```

```
class FragmentA extends Fragment {  
    private void sendData() {  
        MyListener listener = (MyListener) getActivity();  
        listener.add( 23, 17 );  
    }  
}
```

```
interface MyListener {  
    public void add(int num1, int num2);  
}
```

