

Sending Data to a Fragment from Parent Activity



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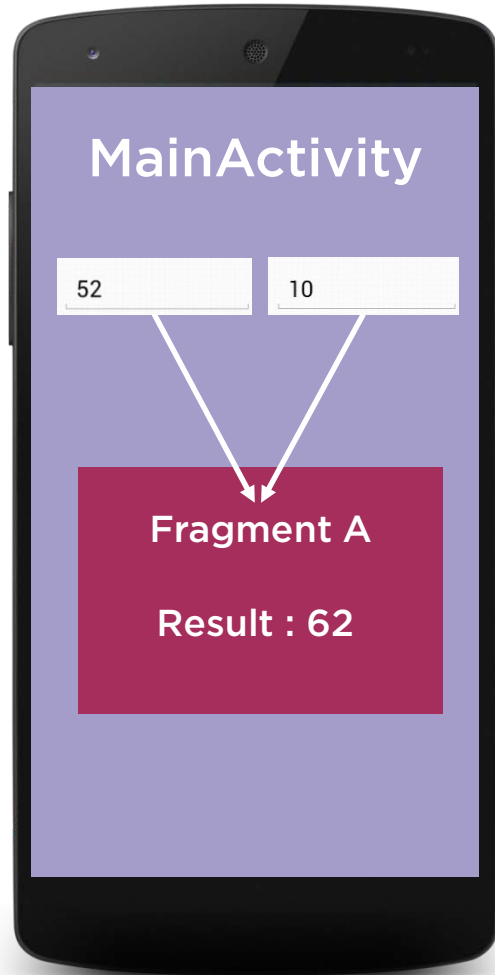
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Sending Data to a Fragment from Activity



Take Input in Activity

- First Number
- Second Number

Pass Data From Activity to Fragment Inside Fragment Perform Operation

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



How to Pass Data?

Activity to Fragment

Two Ways

- Using Bundle Object
- Using Fragment Object



Demo



Initial Project Setup

Pass Data to Fragment from Activity

- Using Bundle Object
- Using Fragment Object



1. Passing Data to Fragment Using Bundle

MainActivity.java

```
Bundle bundle = new Bundle();  
bundle.putInt("key1", value1);  
bundle.putString("key2", value2);  
  
FragmentA fragA = new FragmentA();  
fragA.setArguments(bundle);  
  
// Add FragmentA to Container  
// Use Add Fragment Transaction Codes
```

FragmentA.java

```
Bundle b = getArguments();  
int val = b.getInt("key1", defVal);  
String val = b.getString("key2");  
  
// Use the values received
```



2. Passing Data Using Fragment Object

MainActivity.java

```
FragmentA fragA = new FragmentA();  
fragA.setMyData(numValue, strValue);  
  
// Add FragmentA to Container using Add Fragment Transaction Codes ...
```

FragmentA.java

```
int numValue;  
String strValue;  
  
private void setMyData(int num, String str) {  
    this.numValue = num;  
    this.strValue = str;  
}
```



Passing Non-primitive Data to Fragment

MainActivity.java

```
FragmentA fragA = new FragmentA();  
fragA.setMyData(employee);  
  
// Add FragmentA to Container using Add Fragment Transaction Codes ...
```

FragmentA.java

```
Employee employee;  
  
private void setMyData(Employee emp) {  
    this.employee = emp;  
}
```



Summary



Passing Data to a Fragment from Activity

- Using Bundle Object
- Using Fragment Object Directly

Which method is Better?

- Bundle Object
 - To pass Primitive Data Type
 - String, int, float, long
- Fragment Object Directly
 - To pass Primitive Data Type
 - To pass Non-primitive Data Type
 - Employee, Student
 - HashMap, ArrayList

