**(activity to fragment communication)**

*<?*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">

<Button

android:id="@+id/btnred"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:onClick="changefragment"

android:text="red fragment" />

<Button

android:id="@+id/btngreen"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:onClick="changefragment"

android:text="green fragment" />

<fragment

android:name="com.example.mahesh.fragment\_example.fragmentred" android:layout\_width="match\_parent"

android:layout\_height="match\_parent" android:id="@+id/fragmentplace" >

</fragment>

</LinearLayout>

**MainActivity.java as follow🡪**

package com.example.mahesh.fragment\_example;

import android.support.v4.app.Fragment; import android.support.v4.app.FragmentManager;

import android.support.v4.app.FragmentTransaction;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.app.\*;

import android.view.View;

import android.widget.Button;

public class MainActivity extends AppCompatActivity

{

Button btnred,btngreen;

@Override

protected void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

}

public void changefragment(View v1)

{

Fragment fg;

if(v1==findViewById(R.id.btnred))

{

fg= new fragmentred();

FragmentManager fm = getSupportFragmentManager();

FragmentTransaction ft= fm.beginTransaction();

ft.replace(R.id.fragmentplace,fg);

ft.commit();

}

if(v1==findViewById(R.id.btngreen))

{

fg = new fragmentgreen();

FragmentManager fm = getSupportFragmentManager();

FragmentTransaction ft = fm.beginTransaction();

ft.replace(R.id.fragmentplace, fg);

ft.commit();

}

}

}

**Create 2 fragments named as fragmentred and fragmentgreen.**

**Right click app****res****layout****fragment****blanlfragment**

**fragmentgreen.xml as follow:**

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

<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="#00FF00"

tools:context=".fragmentgreen">

*<!-- TODO: Update blank frament layout -->*

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:text="@string/hello\_blank\_fragment" />

</FrameLayout>

**Fragmentred.xml as follow:**

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

<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="#FF0000"

tools:context=".fragmentred">

*<!-- TODO: Update blank fragment layout -->*

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:text="@string/hello\_blank\_fragment" />

</FrameLayout>