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| **Question**  **Create an android application to pass the data from current application to another Application using intent.**  **OR**  **Create an android application that shares data between different applications using intents** |
| **Activity\_main.xml**  *<?***xml version="1.0" encoding="utf-8"***?>*  <**RelativeLayout xmlns:android="**[**http://schemas.android.com/apk/res/android**](http://schemas.android.com/apk/res/android)**" xmlns:app="**[**http://schemas.android.com/apk/res-auto"**](http://schemas.android.com/apk/res-auto) **xmlns:tools="**[**http://schemas.android.com/tools**](http://schemas.android.com/tools)**" android:layout\_width="match\_parent" android:layout\_height="match\_parent"**  **tools:context=".MainActivity"**>  <**LinearLayout android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:orientation="vertical"**>  <**TextView android:layout\_width="fill\_parent" android:layout\_height="wrap\_content" android:layout\_marginTop="10dp" android:gravity="center\_horizontal"**  **android:text="Input your Name"**></**TextView**>  <**TableLayout android:id="@+id/tableLayout1" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:layout\_margin="10dp" android:stretchColumns="1"**>  <**TableRow android:id="@+id/tableRow1" android:layout\_width="match\_parent"**  **android:layout\_height="wrap\_content"**>  <**TextView android:id="@+id/textView1"**  **android:layout\_width="match\_parent"** |

android:layout\_height="wrap\_content" android:text="First Name"></TextView>

<EditText android:id="@+id/etFName"

android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:layout\_marginLeft="5dp">

<requestFocus></requestFocus>

</**EditText**>

</**TableRow**>

<TableRow android:id="@+id/tableRow2" android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<TextView android:id="@+id/textView2"

android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:text="Last Name"></TextView>

<EditText android:id="@+id/etLName"

android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:layout\_marginLeft="5dp"></EditText>

</**TableRow**>

</**TableLayout**>

<Button android:id="@+id/btnSubmit"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_gravity="center\_horizontal" android:text="Submit"></Button>

</LinearLayout>

</RelativeLayout>

Main\_Activity.java

**package** com.maharashtracollege.profshahidansari;

**import** androidx.appcompat.app.AppCompatActivity;

**import** android.content.Intent; **import** android.graphics.Color; **import** android.os.Bundle;

**import** android.view.View; **import** android.widget.Button; **import** android.widget.EditText;

**import** android.widget.QuickContactBadge;

**import** android.widget.TextView;

**import** android.widget.Toast;

**import** java.util.Random;

**public class** MainActivity **extends** AppCompatActivity {

EditText **etFName**; EditText **etLName**; Button **btnSubmit**;

@Override

**protected void** onCreate(Bundle savedInstanceState) { **super**.onCreate(savedInstanceState); setContentView(R.layout.***activity\_main***);

**etFName** = (EditText) findViewById(R.id.***etFName***);

**etLName** = (EditText) findViewById(R.id.***etLName***);

**btnSubmit** = (Button) findViewById(R.id.***btnSubmit***);

**btnSubmit**.setOnClickListener(**new** View.OnClickListener() { @Override

**public void** onClick(View v) {

Intent intent = **new** Intent(getApplicationContext(), ViewActivity.**class**); intent.putExtra(**"fname"**, **etFName**.getText().toString()); intent.putExtra(**"lname"**, **etLName**.getText().toString()); startActivity(intent);

}

});

}}

Now Create an another activity as **ViewActivity.java as**

Activity\_main.xml(Second Activity XML file)

*<?*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"](http://schemas.android.com/apk/res-auto) xmlns:tools="<http://schemas.android.com/tools>" android:layout\_width="match\_parent" android:layout\_height="match\_parent"

tools:context=".ViewActivity">

<TextView android:id="@+id/tvView" android:layout\_width="400dp" android:layout\_height="85dp"

android:layout\_gravity="center\_horizontal" android:layout\_marginTop="20dp" android:text="Output" android:textColor="@android:color/holo\_blue\_dark" android:textSize="24sp" android:textStyle="bold"></TextView>

</LinearLayout>

**ViewActivity.java package** com.maharashtracollege.profshahidansari; **import** androidx.appcompat.app.AppCompatActivity;

**import** android.content.Intent; **import** android.os.Bundle; **import** android.widget.TextView;

**public class** ViewActivity **extends** AppCompatActivity { TextView **tvView**;

@Override

**protected void** onCreate(Bundle savedInstanceState) { **super**.onCreate(savedInstanceState); setContentView(R.layout.***activity\_view***);

**tvView** = (TextView) findViewById(R.id.***tvView***); Intent intent = getIntent();

String fName = intent.getStringExtra(**"fname"**); String lName = intent.getStringExtra(**"lname"**);

**tvView**.setText(**"Your name is: "** + fName + **" "** + lName);

}

}