

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"
    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"
    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;

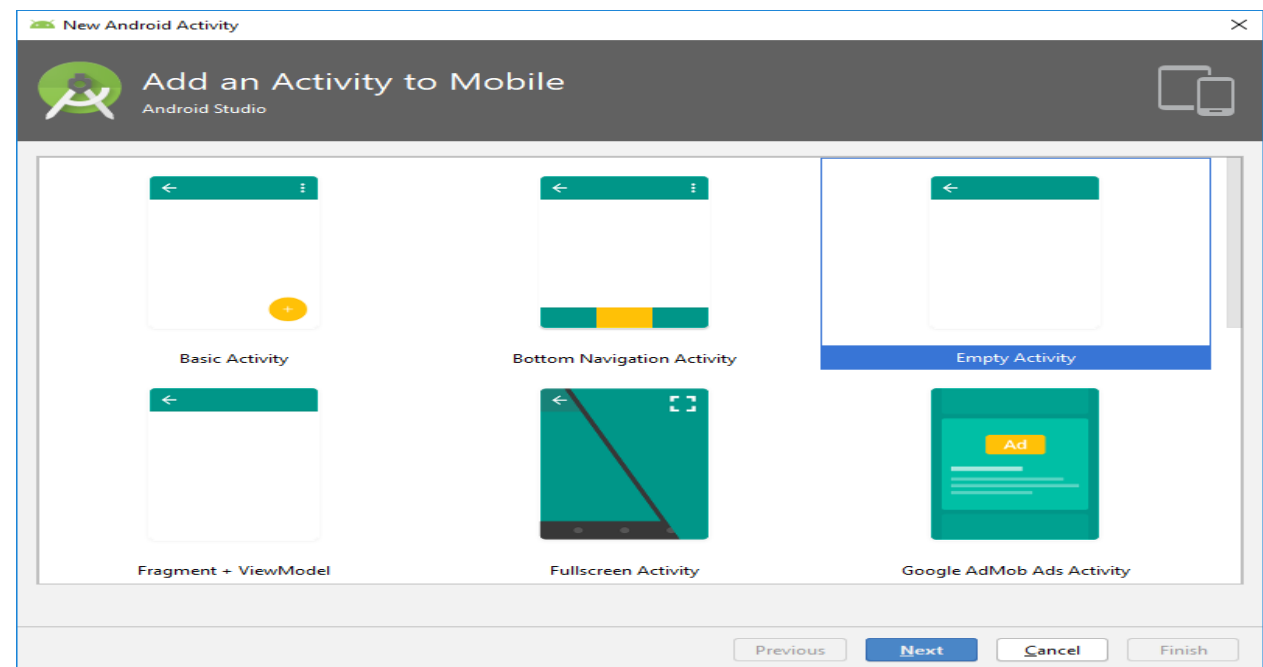
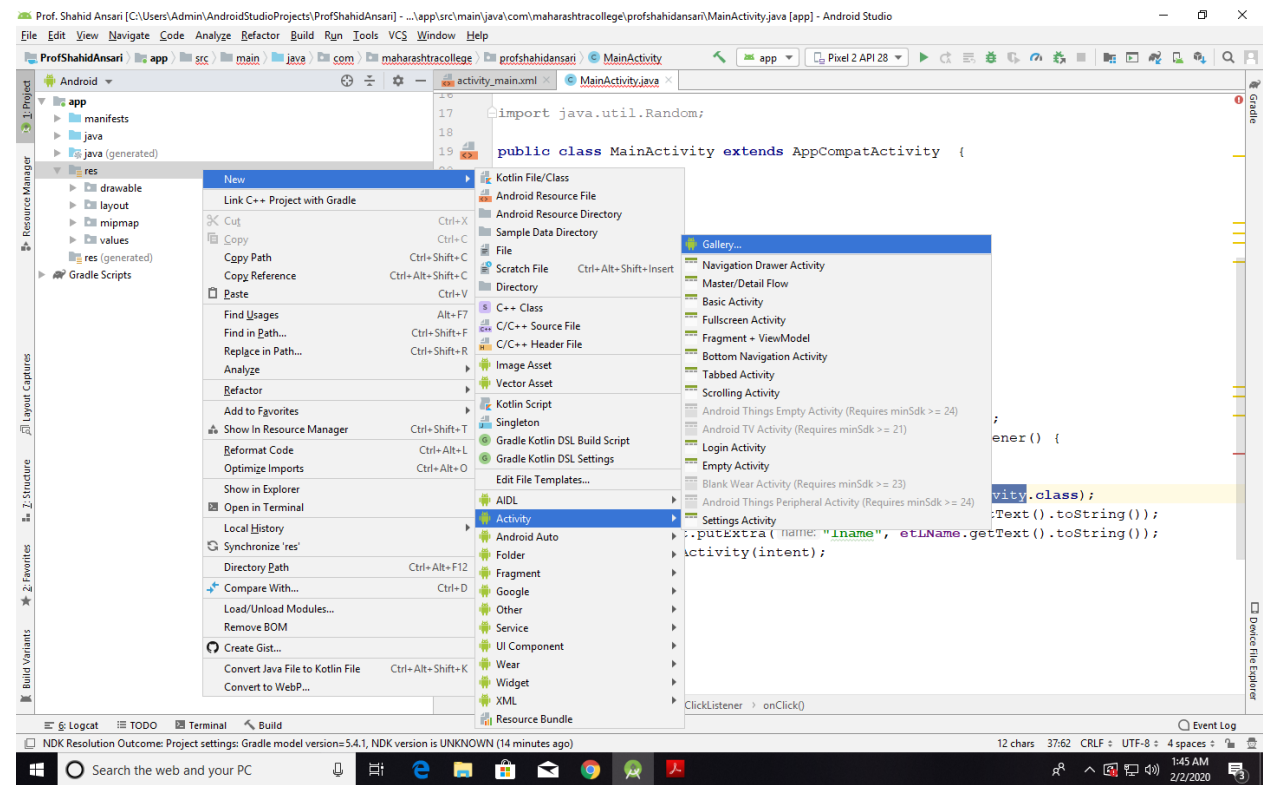
public class MainActivity extends AppCompatActivity {

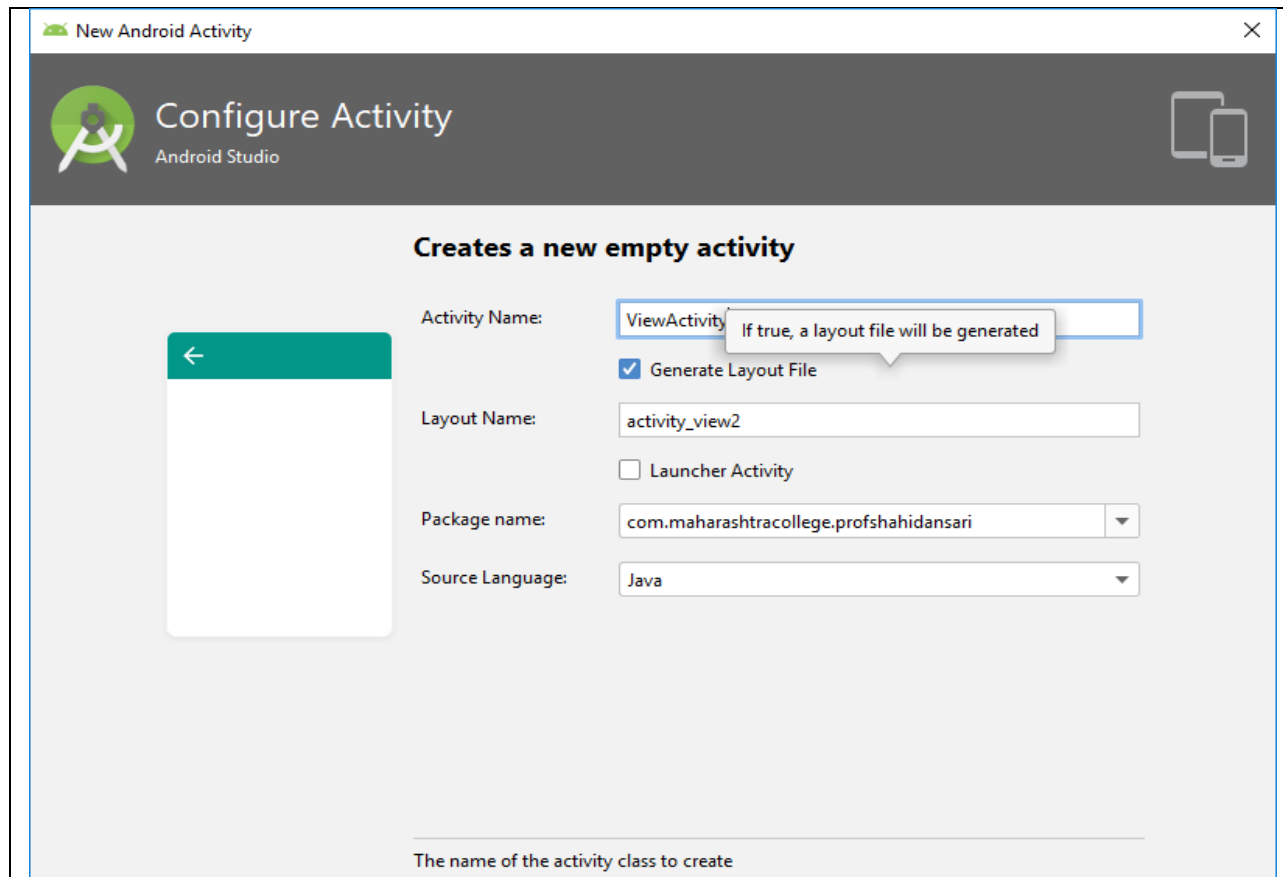
    EditText etFName;
    EditText etLName;
    Button btnSubmit;

    @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"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <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);
    }
}
```

