

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;

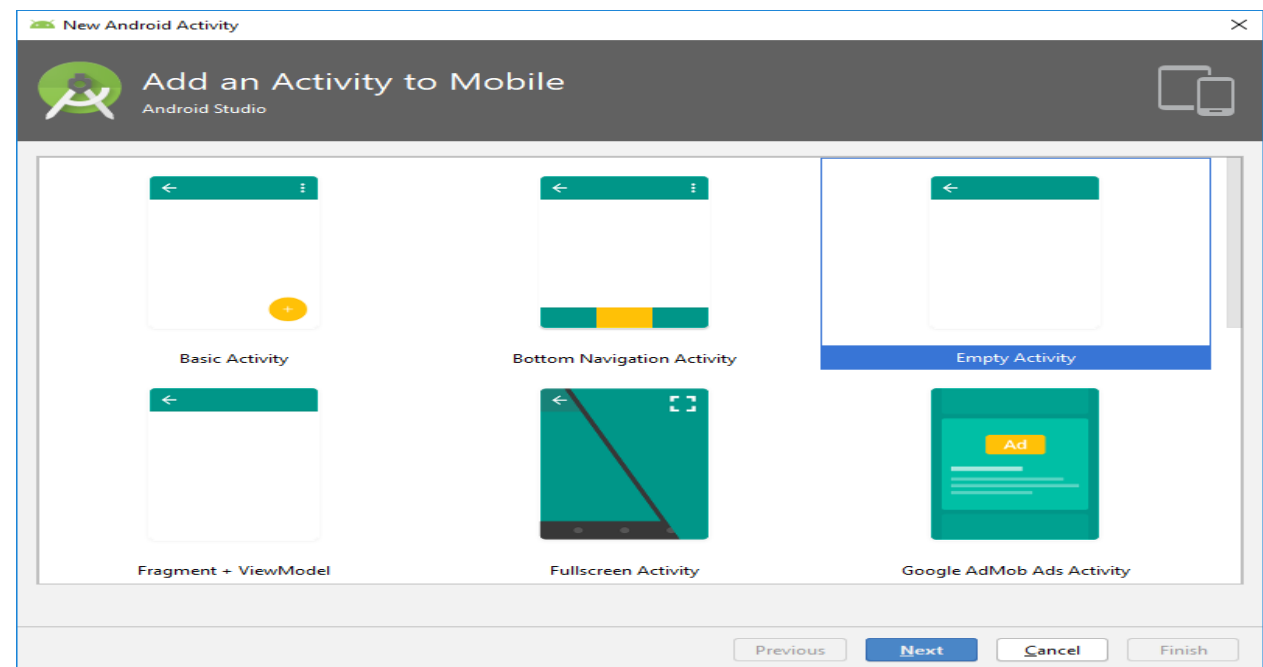
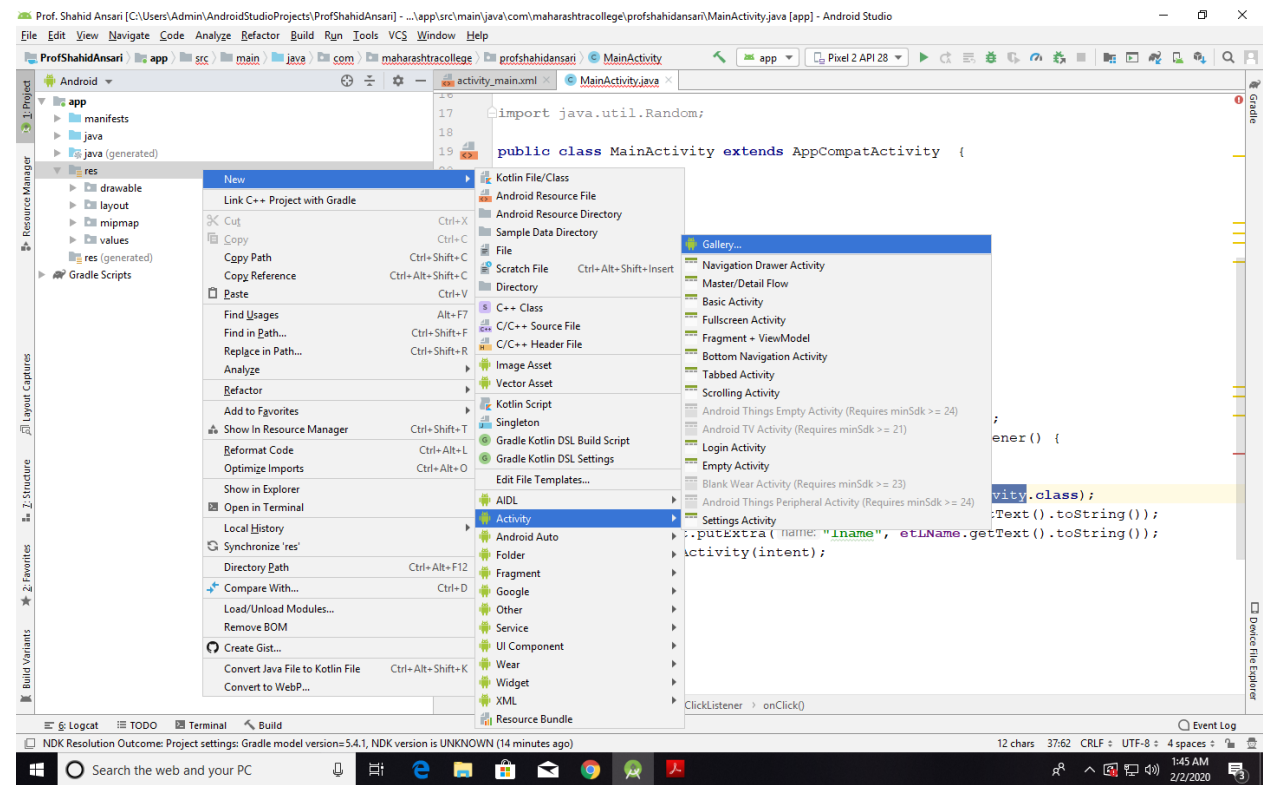
public class MainActivity extends AppCompatActivity {

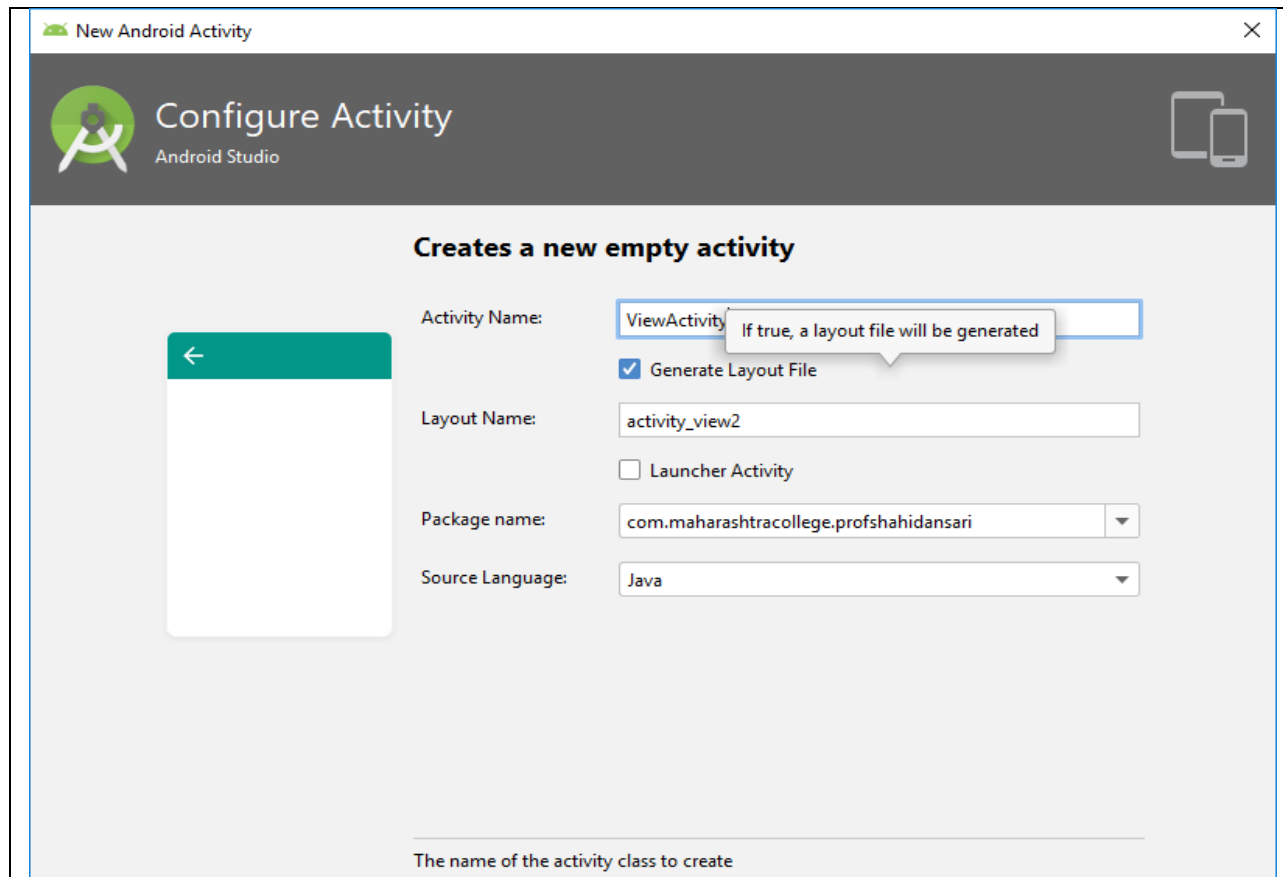
    EditText etFName;
    EditText etLName;
    Button btnSubmit;

    @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);
    }
}
```

