**Problem Statement : Create an application to Share Data using 3 Activities.**

**MainActivity.java**

package com.example.exp12;

import android.content.Intent;

import android.os.Bundle;

import android.widget.Button;

import android.widget.EditText;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

EditText txt1,txt2,txt3,txt4;

Button b1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

txt1 = findViewById(R.id.*txt1*);

txt2 = findViewById(R.id.*txt2*);

txt3 = findViewById(R.id.*txt3*);

txt4 = findViewById(R.id.*txt4*);

b1 = findViewById(R.id.*button*);

b1.setOnClickListener(view -> {

String str1 = txt1.getText().toString();

String str2 = txt2.getText().toString();

String str3 = txt3.getText().toString();

String str4 = txt4.getText().toString();

Intent i = new Intent(MainActivity.this,MainActivity2.class);

i.putExtra("name",str1);

i.putExtra("email",str2);

i.putExtra("phone",str3);

i.putExtra("roll",str4);

startActivity(i);

});

}

}

**activity\_main.xml**

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

<androidx.constraintlayout.widget.ConstraintLayout 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:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Name :"

android:textSize="20dp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.044"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.159" />

<EditText

android:id="@+id/txt1"

android:layout\_width="304dp"

android:layout\_height="48dp"

android:hint="Enter your name"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.85"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.143" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Email :"

android:textSize="20dp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.042"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.285" />

<EditText

android:id="@+id/txt2"

android:layout\_width="304dp"

android:layout\_height="48dp"

android:hint="Enter your email"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.85"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.273" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Phone :"

android:textSize="20dp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.029"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.419" />

<EditText

android:id="@+id/txt3"

android:layout\_width="304dp"

android:layout\_height="48dp"

android:hint="Enter your phone number"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.85"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.414" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Roll no :"

android:textSize="20dp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.029"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.556" />

<EditText

android:id="@+id/txt4"

android:layout\_width="304dp"

android:layout\_height="48dp"

android:hint="Enter your roll number"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.85"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.556" />

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Submit"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.754" />

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity2.java**

package com.example.exp12;

import android.annotation.SuppressLint;

import android.content.Intent;

import android.os.Bundle;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity2 extends AppCompatActivity {

TextView t1,t2,t3,t4;

EditText txt5,txt6;

Button b1;

@SuppressLint("MissingInflatedId")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main2*);

t1 = findViewById(R.id.*txt1*);

t2 = findViewById(R.id.*txt2*);

t3 = findViewById(R.id.*txt3*);

t4 = findViewById(R.id.*txt4*);

txt5 = findViewById(R.id.*txt5*);

txt6 = findViewById(R.id.*txt6*);

b1 = findViewById(R.id.*button*);

Intent i = getIntent();

if(i!=null)

{

String str1 = i.getStringExtra("name");

String str2 = i.getStringExtra("email");

String str3 = i.getStringExtra("phone");

String str4 = i.getStringExtra("roll");

t1.setText(str1);

t2.setText(str2);

t3.setText(str3);

t4.setText(str4);

}

b1.setOnClickListener(view -> {

String str5 = txt5.getText().toString();

String str6 = txt6.getText().toString();

Intent i1 = new Intent(MainActivity2.this,MainActivity3.class);

i1.putExtra("class",str5);

i1.putExtra("div",str6);

startActivity(i1);

});

}

}

**activity\_main2.xml**

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

<androidx.constraintlayout.widget.ConstraintLayout 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=".MainActivity2">

<TextView

android:id="@+id/txt1"

android:layout\_width="319dp"

android:layout\_height="52dp"

android:hint="Name"

android:textSize="20dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.315"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.145" />

<TextView

android:id="@+id/txt2"

android:layout\_width="319dp"

android:layout\_height="52dp"

android:hint="Email"

android:textSize="20dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.315"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.262" />

<TextView

android:id="@+id/txt3"

android:layout\_width="319dp"

android:layout\_height="52dp"

android:hint="Phone"

android:textSize="20dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.315"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.377" />

<TextView

android:id="@+id/txt4"

android:layout\_width="319dp"

android:layout\_height="52dp"

android:hint="Roll no."

android:textSize="20dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.315"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.499" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Class :"

android:textSize="20dp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.082"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.626" />

<EditText

android:id="@+id/txt5"

android:layout\_width="304dp"

android:layout\_height="48dp"

android:hint="Enter your class"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.934"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.631" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Div :"

android:textSize="20dp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.11"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.759" />

<EditText

android:id="@+id/txt6"

android:layout\_width="304dp"

android:layout\_height="48dp"

android:hint="Enter your Division"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.934"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.762" />

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Submit"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.453"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.909" />

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity3.java**

package com.example.exp12;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.content.Intent;

import android.os.Bundle;

import android.widget.TextView;

public class MainActivity3 extends AppCompatActivity {

TextView t5,t6;

@SuppressLint("MissingInflatedId")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main3*);

t5 = findViewById(R.id.*txt5*);

t6 = findViewById(R.id.*txt6*);

Intent i = getIntent();

if(i!=null)

{

String str5 = i.getStringExtra("class");

String str6 = i.getStringExtra("div");

t5.setText(str5);

t6.setText(str6);

}

}

}

**activity\_main3.xml**

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

<androidx.constraintlayout.widget.ConstraintLayout 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=".MainActivity3">

<TextView

android:id="@+id/txt5"

android:layout\_width="319dp"

android:layout\_height="52dp"

android:hint="Class"

android:textSize="20dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.315"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.145" />

<TextView

android:id="@+id/txt6"

android:layout\_width="319dp"

android:layout\_height="52dp"

android:hint="Division"

android:textSize="20dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.315"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.262" />

</androidx.constraintlayout.widget.ConstraintLayout>