# 1. Create an app to navigate from one activity to another using an intent object and passing data

Activity\_main.xml:-

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

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="<http://schemas.android.com/apk/res/an-> droid"

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="Welcome To First Page" android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintHorizontal\_bias="0.476" app:layout\_constraintLeft\_toLeftOf="parent" app:layout\_constraintRight\_toRightOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.24" />

<EditText android:id="@+id/editTextTextPersonName" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10"

android:hint="Enter Your Name" android:inputType="textPersonName" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.327" />

<EditText android:id="@+id/editTextTextPersonName2" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10"

android:hint="Enter USN" android:inputType="textPersonName" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.502" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.431" />

<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="0.556" />

</androidx.constraintlayout.widget.ConstraintLayout>

# Activity\_main2.xml:-

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

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="<http://schemas.android.com/apk/res/an-> droid"

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/textView"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Welcome To Second Activity" android:textSize="24sp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.224" />

<TextView android:id="@+id/textView2" android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" android:textSize="20sp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.498" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.339" />

<TextView android:id="@+id/textView3" android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" android:textSize="20sp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.498" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.411" />

</androidx.constraintlayout.widget.ConstraintLayout>

# MainActivity.java:-

**package** com.durgesh.program\_1;

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

**import** android.content.Intent; **import** android.os.Bundle; **import** android.view.View; **import** android.widget.Button; **import** android.widget.EditText;

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

**private** Button **button**; **private** EditText **editText1**; **private** EditText **editText2**;

@Override

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

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

**editText1**=findViewById(R.id.***editTextTextPersonName***); **editText2**=findViewById(R.id.***editTextTextPersonName2***);

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

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

String name=**editText1**.getText().toString(); String usn=**editText2**.getText().toString();

Intent intent=**new** Intent(MainActivity.**this**,MainActivity2.**class**); intent.putExtra(**"NAME"**,name);

intent.putExtra(**"USN"**,usn);

startActivity(intent);

}

});

}

}

# MainActivity2.java:-

**package** com.durgesh.program\_1;

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

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

**public class** MainActivity2 **extends** AppCompatActivity {

**private** TextView **textView2**; **private** TextView **textView3**; @Override

**protected void** onCreate(Bundle savedInstanceState) { **super**.onCreate(savedInstanceState); setContentView(R.layout.***activity\_main2***);

**textView2**=findViewById(R.id.***textView2***); **textView3**=findViewById(R.id.***textView3***);

Intent intent=getIntent();

String name=intent.getStringExtra(**"NAME"**); String usn=intent.getStringExtra(**"USN"**);

**textView2**.setText(**"Your Name is "**+name); **textView3**.setText(**"Your USN is "**+usn);

}

}

