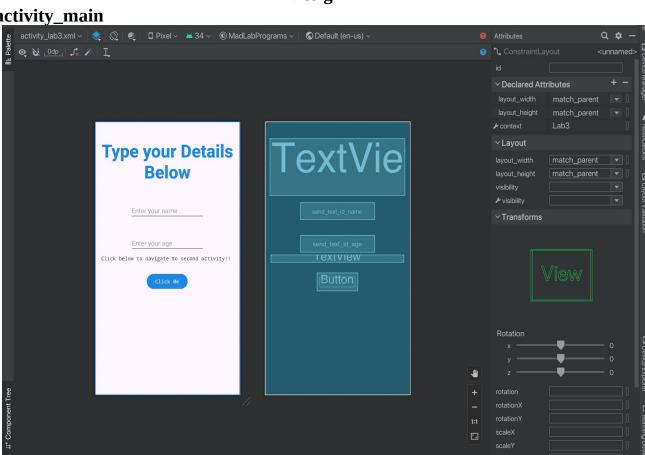
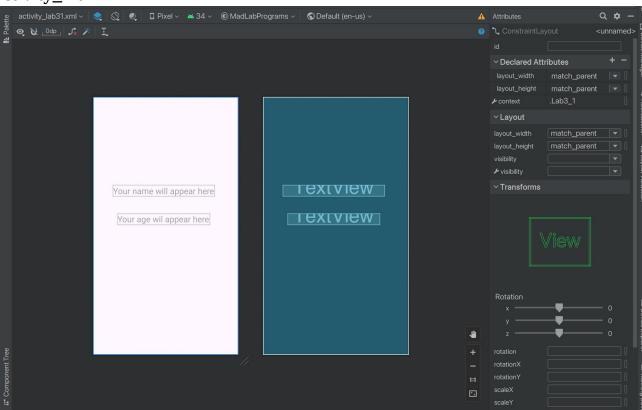
# **Program 3** Create an app to navigate from one activity to another using an intent object and passing data

## Design

activity\_main



## activity\_main2



### **Xml Code**

#### activity\_main.xml

```
<TextView
   android:id="@+id/textView"
   android:layout_width="wrap_content"
   android:layout height="wrap content"
   android:fontFamily="monospace"
   android:text="Click below to navigate to second activity!!"
   app:layout_constraintBottom_toBottomOf="parent"
   app:layout_constraintEnd_toEndOf="parent"
    app:layout constraintStart toStartOf="parent"
   app:layout_constraintTop_toTopOf="parent" />
 <Button
    android:id="@+id/send button id"
   android:layout_width="wrap_content"
   android:layout_height="wrap_content"
   android:layout_marginStart="10dp"
   android:layout_marginTop="10dp"
   android:layout_marginEnd="10dp"
   android:layout_marginBottom="10dp"
   android:backgroundTint="#1E88E5"
   android:fontFamily="monospace"
   android:text="Click Me"
    app:layout constraintBottom creator="100"
   app:layout_constraintBottom_toBottomOf="parent"
   app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintHorizontal_bias="0.498"
   app:layout_constraintLeft_creator="100"
   app:layout_constraintStart_toStartOf="parent"
   app:layout_constraintTop_creator="100"
   app:layout_constraintTop_toBottomOf="@+id/textView"
   app:layout constraintVertical bias="0.063" />
 <com.google.android.material.textfield.TextInputEditText
   android:id="@+id/send_text_id_name"
   android:layout_width="match_parent"
   android:layout_height="wrap_content"
   android:layout_marginStart="100dp"
   android:layout marginTop="9dp"
   android:layout_marginEnd="100dp"
    android:layout_marginBottom="9dp"
   android:hint="Enter your name"
   app:layout_constraintBottom_toTopOf="@+id/textView"
   app:layout constraintEnd toEndOf="parent"
   app:layout_constraintHorizontal_bias="1.0"
   app:layout_constraintStart_toStartOf="parent"
   app:layout constraintTop toTopOf="parent"
   app:layout_constraintVertical_bias="0.706" />
```

<EditText

```
android:id="@+id/send_text_id_age"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:layout marginTop="9dp"
  android:layout marginBottom="8dp"
  android:ems="10"
  android:hint="Enter your age"
  android:inputType="numberDecimal"
  app:layout constraintBottom toTopOf="@+id/textView"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintStart_toStartOf="parent"
  app:layout constraintVertical bias="0.51"/>
<TextView
  android:id="@+id/textView2"
  android:layout_width="383dp"
  android:layout height="152dp"
  android:fontFamily="sans-serif-medium"
  android:shadowColor="#00BCD4"
  android:text="Type your Details Below"
  android:textAlignment="center"
  android:textColor="#1E88E5"
  android:textSize="48sp"
  android:textStyle="bold"
  app:layout_constraintBottom_toTopOf="@+id/send_text_id_name"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout_constraintVertical_bias="0.701" />
```

## activity\_main2.xml

<TextView

```
<TextView
    android:id="@+id/name_receive"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="9dp"
    android:layout marginTop="9dp"
    android:layout_marginEnd="9dp"
    android:layout_marginBottom="9dp"
    android:hint="Your name will appear here"
    android:text=""
    android:textSize="24sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.447"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.354" />
```

```
android:id="@+id/age_receive"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout marginStart="9dp"
android:layout_marginTop="9dp"
android:layout_marginEnd="9dp"
android:layout_marginBottom="9dp"
android:hint="Your age wil appear here"
android:text=""
android:textSize="24sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.453"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/name_receive"
app:layout_constraintVertical_bias="0.097" />
```

#### Java Code

## MainActivity.java

```
public class MainActivity extends AppCompatActivity {
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_lab3);
    Button send_button;
    EditText send_text_name;
    EditText send_text_age;
    send_button = findViewById(R.id.send_button_id);
    send text name = findViewById(R.id.send text id name);
    send_text_age = findViewById(R.id.send_text_id_age);
    send_button.setOnClickListener(v -> {
       String name = send_text_name.getText().toString();
       String age = send_text_age.getText().toString();
       Intent intent = new Intent(this,Lab3_1.class);
       intent.putExtra("name",name);
       intent.putExtra("age",age);
       startActivity(intent);
    });
  }
```

## MainActivity2.java

```
public class MainActivity2 extends AppCompatActivity {
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_lab31);
    TextView received_name;
    TextView received_age;
    received_name = findViewById(R.id.name_receive);
    received_age = findViewById(R.id.age_receive);
    Intent intent = getIntent();
    String name = intent.getStringExtra("name");
    String age = intent.getStringExtra("age");
    received_name.setText(name);
    received_age.setText(age);
  }
}
```