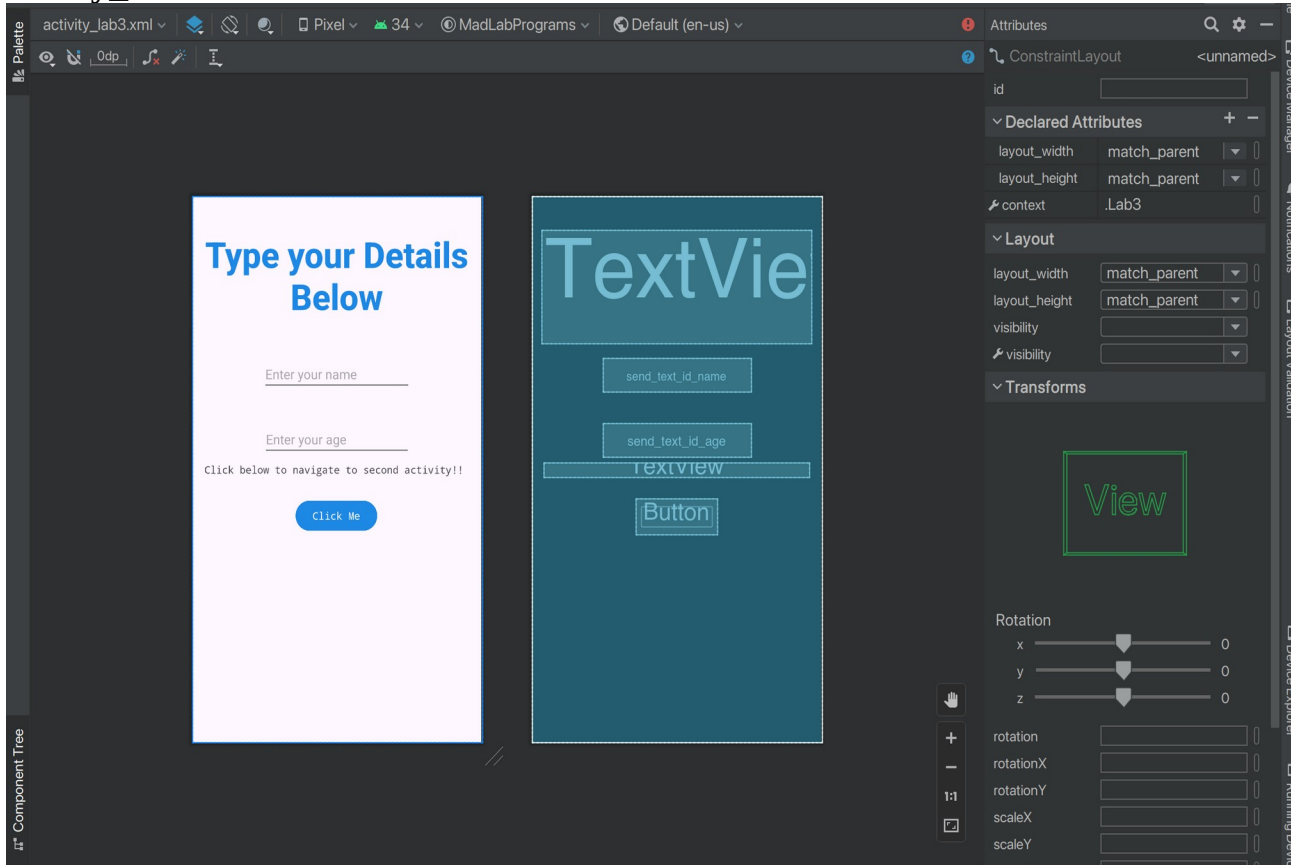


## Program 3

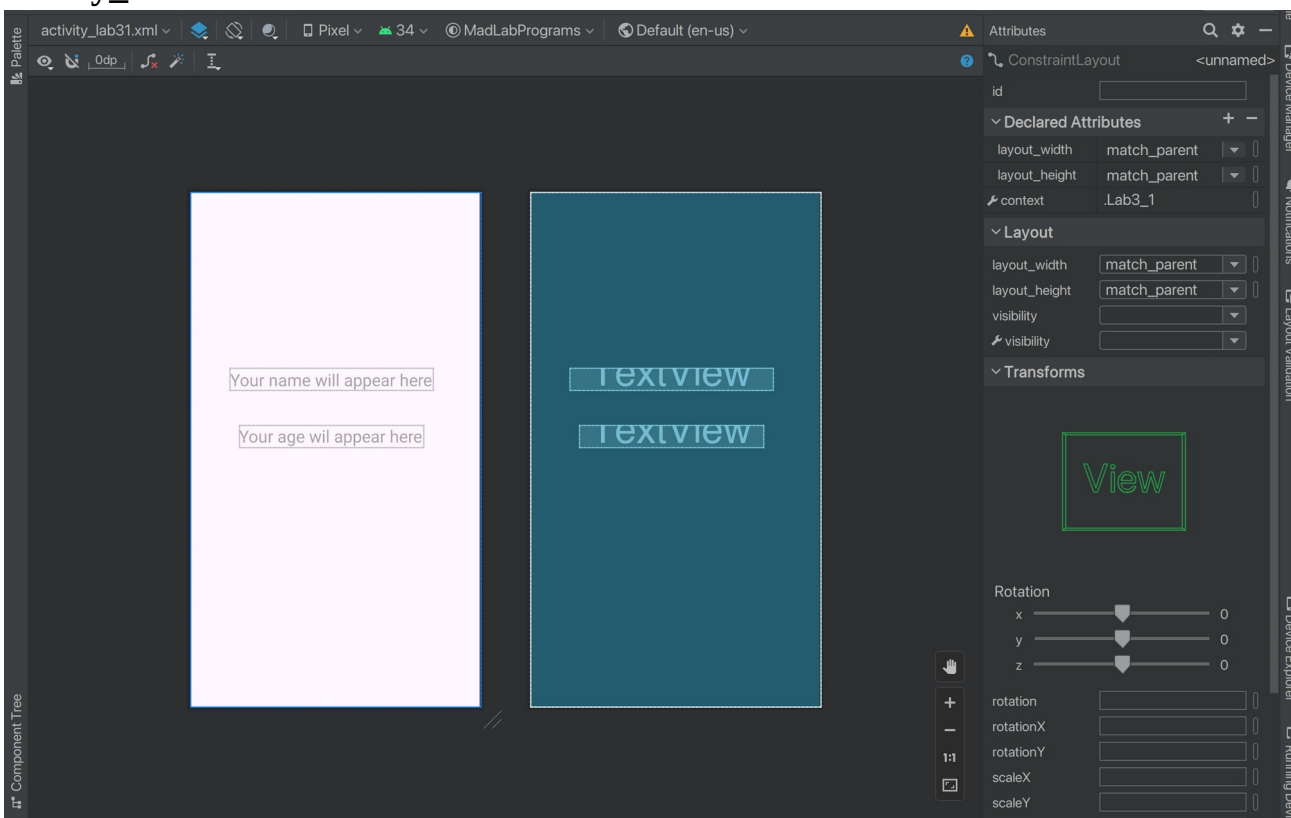
### Create an app to navigate from one activity to another using an intent object and passing data

#### 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
    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" />

```

```

<TextView

```

```

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);
    }
}
```