## 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"
  android:background="#8FDFD4"
  tools:context=".MainActivity">
  <TextView
    android:id="@+id/textView2"
    android:layout_width="128dp"
    android:layout_height="34dp"
    android:text="User Name:"
    android:textSize="20sp"
    app:layout constraintBottom toBottomOf="parent"
    app:layout_constraintHorizontal_bias="0.18"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout constraintVertical bias="0.195"/>
  <EditText
    android:id="@+id/e1"
    android:layout width="161dp"
    android:layout_height="37dp"
    android:ems="10"
    android:inputType="textPersonName"
    android:text=""
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.768"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.191"
    tools:ignore="MissingConstraints" />
  <EditText
    android:id="@+id/e2"
    android:layout_width="169dp"
    android:layout_height="34dp"
    android:ems="10"
    android:inputType="textPersonName"
    android:text=""
    app:layout constraintBottom toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.793"
    app:layout_constraintStart_toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout constraintVertical bias="0.328"
    tools:ignore="MissingConstraints" />
```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="121dp"
    android:layout height="35dp"
    android:text="Password"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.175"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout constraintVertical bias="0.329"
    tools:ignore="MissingConstraints" />
  <Button
    android:id="@+id/btn"
    android:layout_width="wrap_content"
    android:layout height="wrap content"
    android:onClick="callSecondActivity"
    android:text="LOGIN"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout constraintVertical bias="0.512"
    tools:ignore="MissingConstraints" />
</androidx.constraintlayout.widget.ConstraintLayout>
MainActivity.java
package com.example.loginapplication;
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;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity{
  EditText e1,e2;
  Button b1;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    e1=(EditText)findViewById(R.id.e1);
    e2=(EditText)findViewById(R.id.e2);
    b1=(Button)findViewById(R.id.button);
  }
```

```
public void callSecondActivity(View v) {
    String name=e1.getText().toString();
    String pwd=e2.getText().toString();
    String a="Ann";
    String b="123";
    if((name.equals(a))&&(pwd.equals(b))){
       Intent i=new Intent(getApplicationContext(),MainActivity2.class);
      i.putExtra("x", name);
      i.putExtra("y", pwd);
      startActivity(i);
    }
    else{
      Toast.makeText(getApplicationContext(),"Wrong
Credentials",Toast.LENGTH_LONG).show();
  }
}
activity main2.xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</p>
  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"
  android:background="#8FDFD4"
  tools:context=".MainActivity2">
  <Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:onClick="callMainActivity"
    android:text="HOME"
    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="0.591"
    tools:ignore="MissingConstraints" />
  <TextView
    android:id="@+id/res"
    android:layout_width="154dp"
    android:layout_height="40dp"
    android:textSize="20sp"
    android:text=""
    app:layout constraintBottom toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
```

```
app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.325" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
MainActivity2.java
package com.example.loginapplication;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
public class MainActivity2 extends AppCompatActivity {
  Button b1:
  TextView t1;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main2);
    b1=(Button)findViewById(R.id.button);
    t1=(TextView)findViewById(R.id.res);
    Bundle extras = getIntent().getExtras();
    String name = extras.getString("x");
    t1.setText("Welcome "+name);
  public void callMainActivity(View v){
    Intent i=new Intent(getApplicationContext(),MainActivity.class);
    startActivity(i);
  }
}
```