## 📁 Contents of ./

📝 Java File: ./java/HeightActivity.java

package com.example.ex2;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class HeightActivity extends AppCompatActivity {  
  
 TextView helloTextView, weightTextView;  
 EditText heightEditText;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_height);  
  
 helloTextView = findViewById(R.id.textViewHello);  
 weightTextView = findViewById(R.id.textViewWeight);  
 heightEditText = findViewById(R.id.heightEditText);  
 Button showBMIButton = findViewById(R.id.showBMIButton);  
  
 Intent intent = getIntent();  
 final String name = intent.getStringExtra("name");  
 final String weight = intent.getStringExtra("weight");  
  
 helloTextView.setText("Hello " + name);  
 weightTextView.setText("Your weight is: " + weight + " Kg");  
  
 showBMIButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String height = heightEditText.getText().toString();  
 if(height.isEmpty()){  
 Toast.makeText(HeightActivity.this, "Please enter your height", Toast.LENGTH\_SHORT).show();  
 return;  
 }  
 double heightMeters = Double.parseDouble(height);  
 double weightKg = Double.parseDouble(weight);  
 double bmi = weightKg / (heightMeters \* heightMeters);  
  
  
 Intent intent = new Intent(HeightActivity.this, MainActivity.class);  
 intent.putExtra("name", name);  
 intent.putExtra("bmi", bmi);  
 startActivity(intent);  
 }  
 });  
 }  
}

📝 Java File: ./java/MainActivity.java

package com.example.ex2;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
import android.view.View;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
  
 EditText nameEditText;  
 Button addWeightButton;  
 TextView bmiTextView;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 nameEditText = findViewById(R.id.nameEditText);  
 addWeightButton = findViewById(R.id.addWeightButton);  
 bmiTextView = findViewById(R.id.bmiTextView);  
  
 addWeightButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String name = nameEditText.getText().toString().trim();  
 if(name.isEmpty()){  
 Toast.makeText(MainActivity.this, "Please enter your name", Toast.LENGTH\_SHORT).show();  
 return;  
 }  
 Intent intent = new Intent(MainActivity.this, WeightActivity.class);  
 intent.putExtra("name", name);  
 startActivity(intent);  
 }  
 });  
  
 // Display BMI if passed from HeightActivity  
 Intent intent = getIntent();  
 if (intent != null && intent.hasExtra("name") && intent.hasExtra("bmi")) {  
 String name = intent.getStringExtra("name");  
 double bmi = intent.getDoubleExtra("bmi", 0); // Default value of 0 if bmi not found  
  
 Toast.makeText(MainActivity.this, "Test " + name + " "+bmi, Toast.LENGTH\_SHORT).show();  
 bmiTextView.setText("Hello " + name + ", your BMI is: " + String.format("%.2f", bmi)); // Format BMI to 2 decimal places  
 bmiTextView.setVisibility(View.VISIBLE); // Change visibility to visible  
 }  
 }  
}

📝 Java File: ./java/WeightActivity.java

package com.example.ex2;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class WeightActivity extends AppCompatActivity {  
  
 TextView helloTextView;  
 EditText weightEditText;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_weight);  
  
 helloTextView = findViewById(R.id.textViewHello);  
 weightEditText = findViewById(R.id.weightEditText);  
 Button addHeightButton = findViewById(R.id.addHeightButton);  
  
 Intent intent = getIntent();  
 final String name = intent.getStringExtra("name");  
 helloTextView.setText("Hello " + name);  
  
 addHeightButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String weight = weightEditText.getText().toString().trim();  
 if(weight.isEmpty()){  
 Toast.makeText(WeightActivity.this, "Please enter your weight", Toast.LENGTH\_SHORT).show();  
 return;  
 }  
 Intent intent = new Intent(WeightActivity.this, HeightActivity.class);  
 intent.putExtra("name", name);  
 intent.putExtra("weight", weight);  
 startActivity(intent);  
 }  
 });  
 }  
}

📋 XML File: ./xml/activity\_height.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:orientation="vertical" android:padding="16dp">  
  
 <TextView android:id="@+id/textViewHello" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Hello name" android:textSize="18sp" />  
  
 <TextView android:id="@+id/textViewWeight" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Your weight is: Weight Kg" android:textSize="18sp" />  
  
 <TextView android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Enter your height (m):" android:textSize="18sp" />  
  
 <EditText android:id="@+id/heightEditText" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="Enter height" android:textSize="16sp" android:inputType="numberDecimal" />  
  
 <Button android:id="@+id/showBMIButton" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Show BMI" android:textSize="16sp" />  
  
</LinearLayout>

📋 XML File: ./xml/activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:orientation="vertical" android:padding="16dp">  
  
 <TextView android:id="@+id/textViewEnterName" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Enter your name:" android:textSize="18sp" />  
  
 <EditText android:id="@+id/nameEditText" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="Enter your name" android:textSize="16sp" />  
  
 <Button android:id="@+id/addWeightButton" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Add Weight" android:textSize="16sp" />  
  
 <TextView android:id="@+id/bmiTextView" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:textSize="18sp" android:visibility="gone" android:text="BMI will be displayed here" />  
  
</LinearLayout>

📋 XML File: ./xml/activity\_weight.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:orientation="vertical" android:padding="16dp">  
  
 <TextView android:id="@+id/textViewHello" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Hello name" android:textSize="18sp" />  
  
 <TextView android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Enter your weight (Kg):" android:textSize="18sp" />  
  
 <EditText android:id="@+id/weightEditText" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="Enter weight" android:textSize="16sp" android:inputType="numberDecimal" />  
  
 <Button android:id="@+id/addHeightButton" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Add Height" android:textSize="16sp" />  
  
</LinearLayout>