SAMPLE CODING:

First Activity:

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.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"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/welcome"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="8dp"  
 android:text="@string/hello\_welcome\_to\_calori\_calc\_to\_know\_your\_requirements\_press\_continue"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintHorizontal\_bias="1.0"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.318" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginBottom="212dp"  
 android:text="@string/continue"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintVertical\_bias="0.321" />  
  
</android.support.constraint.ConstraintLayout>

Main Activity.java

package com.example.nikitha.caloricalc;  
  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
  
  
public class MainActivity extends AppCompatActivity {  
Button button;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 button=(Button)findViewById(R.id.*button*);  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent= new Intent(MainActivity.this,SecondActivity.class);  
  
 }  
 });  
 }  
}

Second Activity:

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout 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"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  
 tools:context=".SecondActivity"  
 tools:showIn="@layout/activity\_second">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="169dp"  
 android:layout\_height="42dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="129dp"  
 android:layout\_marginLeft="129dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginEnd="86dp"  
 android:layout\_marginRight="86dp"  
 android:layout\_marginBottom="459dp"  
 android:text="@string/enter\_the\_details"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.533"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.126" />  
  
 <TextView  
 android:id="@+id/weight"  
 android:layout\_width="82dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="41dp"  
 android:layout\_marginLeft="41dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="261dp"  
 android:layout\_marginRight="261dp"  
 android:layout\_marginBottom="409dp"  
 android:text="@string/weight\_kg"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.186"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.279" />  
  
 <TextView  
 android:id="@+id/height"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="48dp"  
 android:layout\_marginLeft="48dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="274dp"  
 android:layout\_marginRight="274dp"  
 android:layout\_marginBottom="355dp"  
 android:text="@string/height\_m"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.183"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/t2"  
 app:layout\_constraintVertical\_bias="0.066" />  
  
 <EditText  
 android:id="@+id/weight\_id"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="6dp"  
 android:layout\_marginRight="6dp"  
 android:layout\_marginBottom="391dp"  
 android:ems="10"  
 android:hint="@string/number"  
 android:inputType="number"  
 android:visibility="invisible"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.703"  
 app:layout\_constraintStart\_toEndOf="@+id/height"  
 app:layout\_constraintVertical\_bias="0.0"  
 android:autofillHints="" tools:targetApi="o" />  
  
 <EditText  
 android:id="@+id/height\_id"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="4dp"  
 android:layout\_marginRight="4dp"  
 android:layout\_marginBottom="337dp"  
 android:ems="10"  
 android:hint="@string/number"  
 android:inputType="number"  
 android:visibility="invisible"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.619"  
 app:layout\_constraintStart\_toEndOf="@+id/t2"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.256" />  
  
 <TextView  
 android:id="@+id/gender"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="30dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="46dp"  
 android:layout\_marginLeft="46dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="280dp"  
 android:layout\_marginRight="280dp"  
 android:layout\_marginBottom="252dp"  
 android:text="@string/gender"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.193"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/age"  
 app:layout\_constraintVertical\_bias="0.13" />  
  
 <EditText  
 android:id="@+id/age\_id"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="47dp"  
 android:layout\_alignTop="@+id/age"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="165dp"  
 android:layout\_marginLeft="165dp"  
 android:layout\_marginTop="-27dp"  
 android:layout\_marginEnd="4dp"  
 android:layout\_marginBottom="293dp"  
 android:ems="10"  
 android:hint="@string/number"  
 android:inputType="number"  
 android:visibility="invisible"  
 android:layout\_alignParentRight="true"  
 android:layout\_marginRight="4dp"  
 android:autofillHints="" />  
  
 <RadioGroup  
 android:id="@+id/radiog"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="162dp"  
 android:layout\_marginLeft="162dp"  
 android:layout\_marginEnd="130dp"  
 android:layout\_marginRight="130dp"  
 android:layout\_marginBottom="227dp">  
  
 <RadioButton  
 android:id="@+id/male"  
 android:layout\_width="78dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignStart="@+id/radio"  
 android:layout\_alignBottom="@+id/gender"  
 android:checked="true"  
 android:text="@string/male"  
 android:layout\_alignLeft="@+id/radio" />  
  
 <RadioButton  
 android:id="@+id/female"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="22dp"  
 android:layout\_alignEnd="@+id/radio"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_marginEnd="17dp"  
 android:layout\_marginRight="17dp"  
 android:text="@string/female"  
 android:layout\_alignRight="@+id/radio" />  
  
 </RadioGroup>  
  
 <TextView  
 android:id="@+id/age"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="51dp"  
 android:layout\_marginLeft="51dp"  
 android:layout\_marginEnd="275dp"  
 android:layout\_marginRight="275dp"  
 android:layout\_marginBottom="304dp"  
 android:text="@string/age" />  
  
 <TextView  
 android:id="@+id/AL"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="55dp"  
 android:layout\_marginLeft="55dp"  
 android:layout\_marginEnd="271dp"  
 android:layout\_marginRight="271dp"  
 android:layout\_marginBottom="163dp"  
 android:text="@string/activity\_level" />  
  
  
 <Button  
 android:id="@+id/calculate"  
 android:layout\_width="157dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="113dp"  
 android:layout\_marginLeft="113dp"  
 android:layout\_marginEnd="114dp"  
 android:layout\_marginRight="114dp"  
 android:layout\_marginBottom="23dp"  
 android:text="@string/calculate" />  
  
 <Spinner  
 android:id="@+id/spinner"  
 android:layout\_width="220dp"  
 android:layout\_height="27dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="152dp"  
 android:layout\_marginLeft="152dp"  
 android:layout\_marginTop="316dp"  
 android:layout\_marginEnd="12dp"  
 android:layout\_marginRight="12dp"  
 android:layout\_marginBottom="168dp" />  
  
</RelativeLayout>

Second Activity.java

package com.example.nikitha.caloricalc;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.support.annotation.NonNull;  
import android.support.design.widget.FloatingActionButton;  
import android.support.design.widget.Snackbar;  
import android.support.v7.app.AppCompatActivity;  
import android.support.v7.widget.Toolbar;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.AdapterView.OnItemSelectedListener;  
import android.widget.ArrayAdapter;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.RadioButton;  
import android.widget.RadioGroup;  
import android.widget.Spinner;  
import android.widget.Toast;  
  
public class SecondActivity extends AppCompatActivity implements OnItemSelectedListener{  
 EditText weight\_id;  
 EditText height\_id;  
 EditText age\_id;  
 RadioGroup radiog;  
 RadioButton male;  
 RadioButton female;  
 Button calculate;  
 Spinner spinner;  
 double w,h,mb,c,al,bmi;  
 int a;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_second*);  
 weight\_id = findViewById(R.id.*weight\_id*);  
 height\_id = findViewById(R.id.*height\_id*);  
 age\_id = findViewById(R.id.*age\_id*);  
 radiog = findViewById(R.id.*radiog*);  
 male = findViewById(R.id.*male*);  
 female = findViewById(R.id.*female*);  
 calculate = findViewById(R.id.*calculate*);  
 spinner = findViewById(R.id.*spinner*);  
 ArrayAdapter<CharSequence> adapter = ArrayAdapter.*createFromResource*(this, R.array.*Activity*, android.R.layout.*simple\_spinner\_item*);  
 adapter.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  
 spinner.setAdapter(adapter);  
 spinner.setOnItemSelectedListener(this);  
 calculate.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 w = Double.*parseDouble*(weight\_id.getText().toString());  
 h = Double.*parseDouble*(height\_id.getText().toString());  
 a = Integer.*parseInt*(age\_id.getText().toString());  
 radiog.setOnCheckedChangeListener(new RadioGroup.OnCheckedChangeListener() {  
 @Override  
 public void onCheckedChanged(RadioGroup group, int checkedId) {  
 if (male.isChecked() == true) {  
 bmi = w / (h \* h);  
 mb = (w \* 13.75) + (h \*100\* 5) - (a \* 6.8) + 66;  
 if (spinner.getSelectedItem() == "Sedentary(0days/week)")  
 c = mb \* 1.2;  
 else if (spinner.getSelectedItem() == "Light(1-3days/week)")  
 c = mb \* 1.375;  
 else if (spinner.getSelectedItem() == "Moderate(3-5days/week)")  
 c = mb \* 1.55;  
 else if (spinner.getSelectedItem() == "Active(6-7days/week)")  
 c = mb \* 1.75;  
 }  
 if (female.isChecked() == true) {  
 bmi = w / (h \* h);  
 mb = (w \* 9.6) + (h \*100\* 1.8) - (a \* 4.7) + 655;  
 if (spinner.getSelectedItem() == "Sedentary(0days/week)")  
 c = mb \* 1.2;  
 else if (spinner.getSelectedItem() == "Light(1-3days/week)")  
 c = mb \* 1.375;  
 else if (spinner.getSelectedItem() == "Moderate(3-5days/week)")  
 c = mb \* 1.55;  
 else if (spinner.getSelectedItem() == "Active(6-7days/week)")  
 c = mb \* 1.75;  
 }  
  
 }  
 });  
 }  
  
 Intent intent = new Intent(SecondActivity.this, ThirdActivity.class);  
 });  
  
  
 Toolbar toolbar = findViewById(R.id.*toolbar*);  
 setSupportActionBar(toolbar);  
  
 FloatingActionButton fab = findViewById(R.id.*fab*);  
 fab.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Snackbar.*make*(view, "Replace with your own action", Snackbar.*LENGTH\_LONG*)  
 .setAction("Action", null).show();  
 }  
 });  
 }  
  
 @Override  
 public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {  
 String text=parent.getItemAtPosition(position).toString();  
 Toast.*makeText*(parent.getContext(),text,Toast.*LENGTH\_LONG*).show();  
 }  
  
 @Override  
 public void onNothingSelected(AdapterView<?> parent) {  
  
 }  
}

Third Activity:

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.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"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  
 tools:context=".ThirdActivity"  
 tools:showIn="@layout/activity\_third">  
  
 <TextView  
 android:id="@+id/t1"  
 android:layout\_width="107dp"  
 android:layout\_height="26dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginBottom="8dp"  
 android:text="@string/your\_bmi\_is"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.025"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.076" />  
  
 <TextView  
 android:id="@+id/t2"  
 android:layout\_width="111dp"  
 android:layout\_height="33dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginBottom="376dp"  
 android:text="@string/your\_metabolic\_rate\_is"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.031"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/t1" />  
  
 <TextView  
 android:id="@+id/t3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginBottom="8dp"  
 android:text="@string/your\_calorie\_intake\_must\_be"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.096"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/t2"  
 app:layout\_constraintVertical\_bias="0.084" />

Third Activity.java

package com.example.nikitha.caloricalc;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.support.design.widget.FloatingActionButton;  
import android.support.design.widget.Snackbar;  
import android.support.v7.app.AppCompatActivity;  
import android.support.v7.widget.Toolbar;  
import android.view.View;  
import android.widget.TextView;  
  
public class ThirdActivity extends AppCompatActivity {  
 TextView t1,t2,t3;  
 String b, metb, cal;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_third*);  
 t1=(TextView)findViewById(R.id.*t1*);  
 t2=(TextView)findViewById(R.id.*t2*);  
 t3=(TextView)findViewById(R.id.*t3*);  
 Intent i = getIntent();  
 b= i.getStringExtra("bmi");  
 metb=i.getStringExtra("mb");  
 cal=i.getStringExtra("c");  
 t1.setText(b);  
 t2.setText(metb);  
 t3.setText(cal);  
 Toolbar toolbar = (Toolbar) findViewById(R.id.*toolbar*);  
 setSupportActionBar(toolbar);  
  
 FloatingActionButton fab = (FloatingActionButton) findViewById(R.id.*fab*);  
 fab.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Snackbar.*make*(view, "Replace with your own action", Snackbar.*LENGTH\_LONG*)  
 .setAction("Action", null).show();  
 }  
 });  
 }  
  
}