**1) Rating bar**

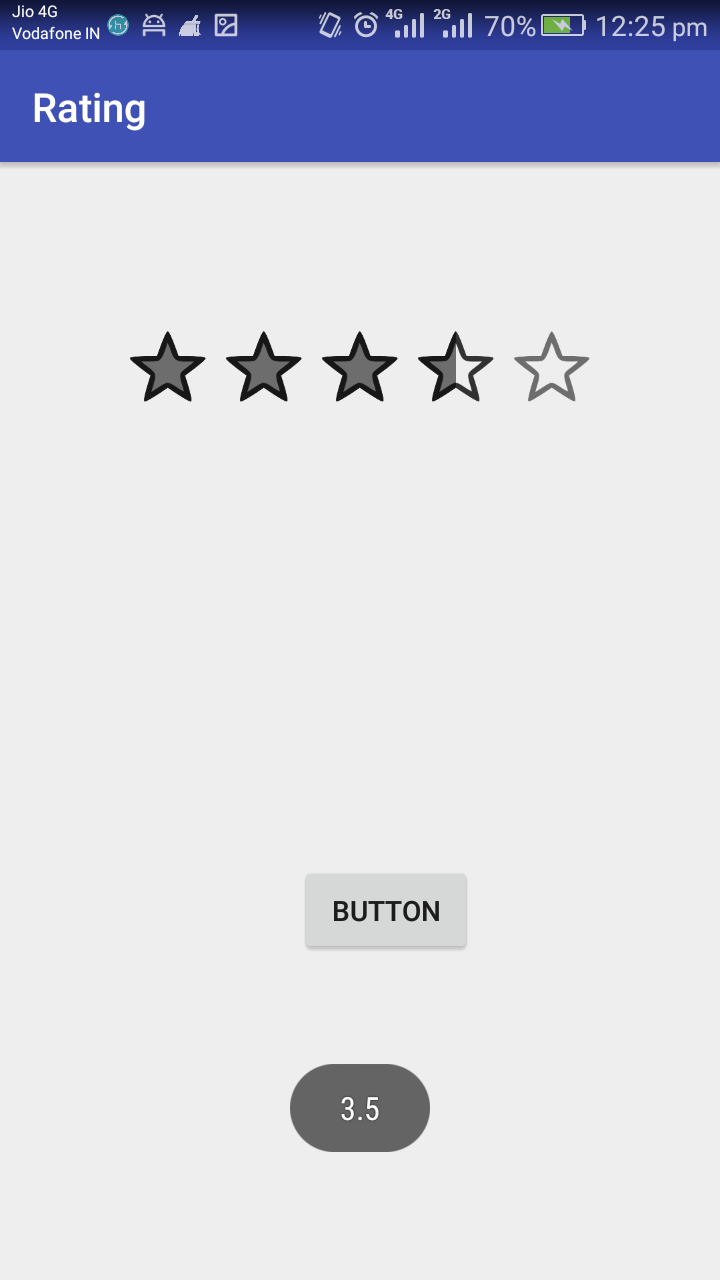
**i) activity\_main**

*<?***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"  
 tools:context="balanirmal.example.com.rating.MainActivity"**>  
  
  
 <**RatingBar  
 android:id="@+id/ratingBar"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="78dp"** />  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignEnd="@+id/ratingBar"  
 android:layout\_alignParentBottom="true"  
 android:layout\_alignRight="@+id/ratingBar"  
 android:layout\_marginBottom="161dp"  
 android:layout\_marginEnd="63dp"  
 android:layout\_marginRight="63dp"  
 android:text="Button"** />  
</**RelativeLayout**>

**ii) MainActivity**

**package** balanirmal.example.com.rating;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.RatingBar;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **final** RatingBar rating=(RatingBar)findViewById(R.id.***ratingBar***);  
 Button button=(Button)findViewById(R.id.***button***);  
 button.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 String rate=String.*valueOf*(rating.getRating());  
 Toast.*makeText*(getApplicationContext(),rate,Toast.***LENGTH\_SHORT***).show();  
 }  
 });  
 }  
}

**Output**

****

**2.Checkbox**

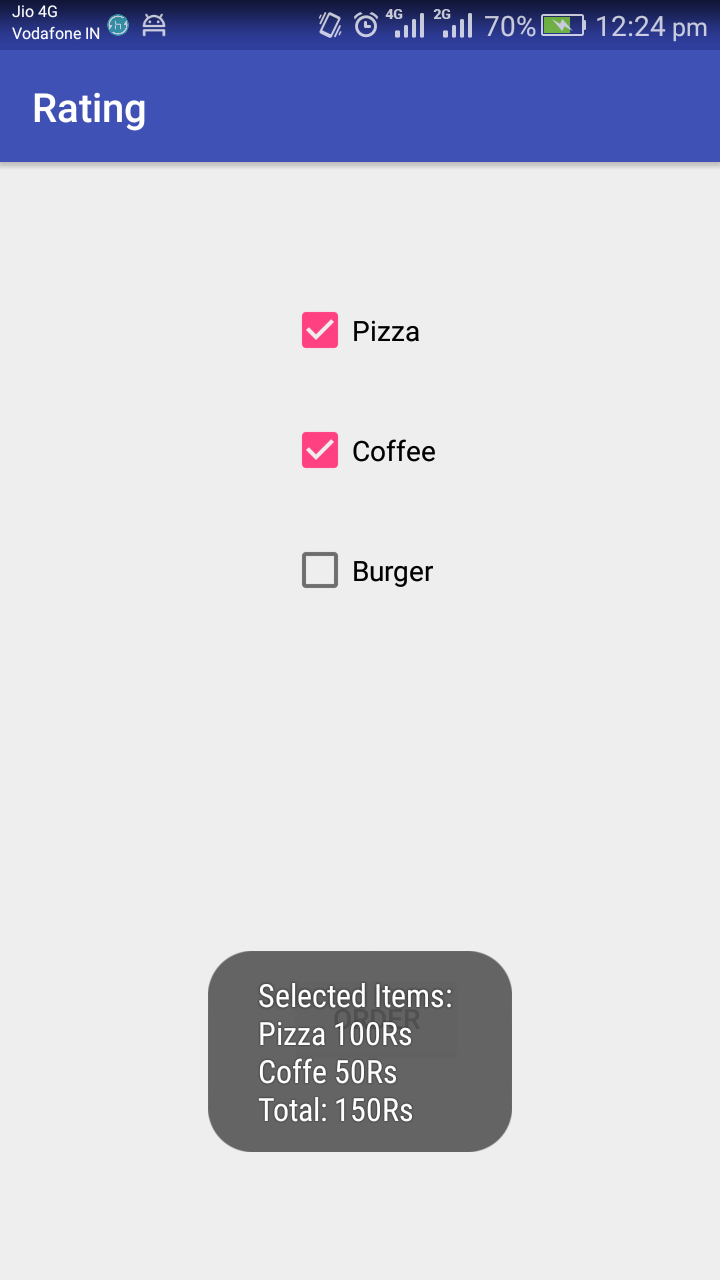
**i) activity\_main2**

*<?***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="Main2Activity"**>  
  
  
 <**CheckBox  
 android:id="@+id/checkBox"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="144dp"  
 android:layout\_marginTop="68dp"  
 android:text="Pizza"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**CheckBox  
 android:id="@+id/checkBox2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="144dp"  
 android:layout\_marginTop="28dp"  
 android:text="Coffee"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/checkBox"** />  
  
 <**CheckBox  
 android:id="@+id/checkBox3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="144dp"  
 android:layout\_marginTop="28dp"  
 android:text="Burger"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/checkBox2"** />  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="144dp"  
 android:layout\_marginTop="184dp"  
 android:text="Order"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/checkBox3"** />  
  
</**android.support.constraint.ConstraintLayout**>

**ii) Main2Activity**

**package** balanirmal.example.com.rating;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.CheckBox;  
**import** android.widget.Toast;  
  
**public class** Main2Activity **extends** AppCompatActivity {  
 CheckBox **pizza**,**coffe**,**burger**;  
 Button **buttonOrder**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main2***);  
 **pizza**=(CheckBox)findViewById(R.id.***checkBox***);  
 **coffe**=(CheckBox)findViewById(R.id.***checkBox2***);  
 **burger**=(CheckBox)findViewById(R.id.***checkBox3***);  
 **buttonOrder**=(Button)findViewById(R.id.***button***);  
  
 *//Applying the Listener on the Button click* **buttonOrder**.setOnClickListener(**new** View.OnClickListener(){  
  
 @Override  
 **public void** onClick(View view) {  
 **int** totalamount=0;  
 StringBuilder result=**new** StringBuilder();  
 result.append(**"Selected Items:"**);  
 **if**(**pizza**.isChecked()){  
 result.append(**"\nPizza 100Rs"**);  
 totalamount+=100;  
 }  
 **if**(**coffe**.isChecked()){  
 result.append(**"\nCoffe 50Rs"**);  
 totalamount+=50;  
 }  
 **if**(**burger**.isChecked()){  
 result.append(**"\nBurger 120Rs"**);  
 totalamount+=120;  
 }  
 result.append(**"\nTotal: "**+totalamount+**"Rs"**);  
 *//Displaying the message on the toast* Toast.*makeText*(getApplicationContext(), result.toString(), Toast.***LENGTH\_LONG***).show();  
 }  
  
 });  
 }  
}

**Output**

****