**Practical – 5 : Make Android App which Demonstrate use of checkbox.**

**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"  
 tools:context=".MainActivity">  
  
 <CheckBox  
 android:id="@+id/checkBox"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="4dp"  
 android:layout\_marginTop="148dp"  
 android:text="Pizaa"  
 app:layout\_constraintStart\_toStartOf="@+id/checkBox2"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <CheckBox  
 android:id="@+id/checkBox2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="32dp"  
 android:text="Dhosa"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.533"  
 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\_marginTop="32dp"  
 android:text="Burger"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.537"  
 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:text="Order"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.541"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/checkBox3"  
 app:layout\_constraintVertical\_bias="0.413" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.java**

package com.example.checkbox;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.CheckBox;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 CheckBox pizza,dhosa,burger;  
 Button button;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 pizza= (CheckBox) findViewById(R.id.*checkBox*);  
 dhosa= (CheckBox) findViewById(R.id.*checkBox2*);  
 burger= (CheckBox) findViewById(R.id.*checkBox3*);  
 button=(Button)findViewById(R.id.*button*);  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 int totalamount=0;  
 StringBuilder result=new StringBuilder();  
 result.append("Selected Items:");  
 if(pizza.isChecked()){  
 result.append("\nPizza 200Rs");  
 totalamount+=200;  
 }  
 if(dhosa.isChecked()){  
 result.append("\nDhosa 150Rs");  
 totalamount+=150;  
 }  
 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:**

