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

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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" />
    <But.t.on
        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>
```

```
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:
```

- Pizaa
- Dhosa
- **✓** Burger

ORDER

Selected Items: Dhosa 150Rs Burger 120Rs Total: 270Rs