**PR-11**

**11 Develop program to show five checkboxes and toast selected checkboxes.**

**XML Code**

<?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="20dp"  
 android:gravity="center">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Select your interests"  
 android:textSize="18sp"  
 android:layout\_marginBottom="20dp"/>  
  
 <CheckBox  
 android:id="@+id/checkbox1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Sports"  
 android:layout\_marginBottom="10dp"/>  
  
 <CheckBox  
 android:id="@+id/checkbox2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Music"  
 android:layout\_marginBottom="10dp"/>  
  
 <CheckBox  
 android:id="@+id/checkbox3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Reading"  
 android:layout\_marginBottom="10dp"/>  
  
 <CheckBox  
 android:id="@+id/checkbox4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Traveling"  
 android:layout\_marginBottom="10dp"/>  
  
 <CheckBox  
 android:id="@+id/checkbox5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Gaming"  
 android:layout\_marginBottom="20dp"/>  
  
 <Button  
 android:id="@+id/showSelectedButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Show Selected"  
 android:layout\_marginTop="20dp"/>  
</LinearLayout>

**Java code**

package com.example.pr11\_checkbox;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.CheckBox;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
  
 // Declare Checkboxes and Button  
 CheckBox checkbox1, checkbox2, checkbox3, checkbox4, checkbox5;  
 Button showSelectedButton;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 // Initialize Checkboxes and Button  
 checkbox1 = findViewById(R.id.*checkbox1*);  
 checkbox2 = findViewById(R.id.*checkbox2*);  
 checkbox3 = findViewById(R.id.*checkbox3*);  
 checkbox4 = findViewById(R.id.*checkbox4*);  
 checkbox5 = findViewById(R.id.*checkbox5*);  
 showSelectedButton = findViewById(R.id.*showSelectedButton*);  
  
 // Set OnClickListener for Button  
 showSelectedButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 // Collect selected checkboxes  
 StringBuilder selectedOptions = new StringBuilder("Selected Interests: ");  
  
 if (checkbox1.isChecked()) {  
 selectedOptions.append(checkbox1.getText().toString()).append(", ");  
 }  
 if (checkbox2.isChecked()) {  
 selectedOptions.append(checkbox2.getText().toString()).append(", ");  
 }  
 if (checkbox3.isChecked()) {  
 selectedOptions.append(checkbox3.getText().toString()).append(", ");  
 }  
 if (checkbox4.isChecked()) {  
 selectedOptions.append(checkbox4.getText().toString()).append(", ");  
 }  
 if (checkbox5.isChecked()) {  
 selectedOptions.append(checkbox5.getText().toString()).append(", ");  
 }  
  
 // Check if any options are selected  
 if (selectedOptions.length() > 19) { // length=19 means "Selected Interests: " is included  
 selectedOptions.setLength(selectedOptions.length() - 2); // Remove the last comma and space  
 Toast.*makeText*(MainActivity.this, selectedOptions.toString(), Toast.*LENGTH\_LONG*).show();  
 } else {  
 Toast.*makeText*(MainActivity.this, "No interests selected", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
 }  
}