**PR-14**

**14 Develop a program to implement Custom Toast Alert.**

**custom\_toast.xml**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:id="@+id/toast"  
 android:gravity="center\_vertical"  
 android:padding="10dp">  
  
 <!-- Image/Icon (optional) -->  
 <ImageView  
 android:id="@+id/toastImageView"  
 android:layout\_width="33dp"  
 android:layout\_height="31dp"  
 android:layout\_marginEnd="10dp"  
 android:src="@drawable/img" />  
  
 <!-- Text View for the toast message -->  
 <TextView  
 android:id="@+id/toastTextView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textColor="#FFF"  
 android:textSize="16sp" />  
  
</LinearLayout>

**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:gravity="center"  
 android:padding="20dp">  
  
 <!-- Button for Simple Toast -->  
 <Button  
 android:id="@+id/simpleToast"  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:background="#f00"  
 android:text="Simple Toast"  
 android:textColor="#fff"  
 android:textSize="20sp" />  
  
 <!-- Button for Custom Toast -->  
 <Button  
 android:id="@+id/customToast"  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:background="#0f0"  
 android:text="Custom Toast"  
 android:textColor="#fff"  
 android:textSize="20sp"  
 android:layout\_marginTop="50dp" />  
  
</LinearLayout>

**Java Code**

package com.example.pr14\_customtoast;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.Gravity;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.Button;  
import android.widget.ImageView;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 Button simpleToast, customToast;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 simpleToast = findViewById(R.id.*simpleToast*);  
 customToast = findViewById(R.id.*customToast*);  
  
 // Simple Toast Button Click  
 simpleToast.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Toast toast = Toast.*makeText*(getApplicationContext(),  
 "Simple Toast In Android", Toast.*LENGTH\_LONG*); // Create a simple Toast  
 toast.setGravity(Gravity.*BOTTOM* | Gravity.*CENTER\_HORIZONTAL*, 0, 0); // Set gravity  
 toast.show();  
 }  
 });  
  
 // Custom Toast Button Click  
 customToast.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 // Inflate the custom toast layout  
 LayoutInflater inflater = getLayoutInflater();  
 View layout = inflater.inflate(R.layout.*custom\_toast*, (ViewGroup) findViewById(R.id.*toast*)); // Get the custom layout  
  
 // Get the references of TextView and ImageView  
 TextView toastTextView = layout.findViewById(R.id.*toastTextView*);  
 ImageView toastImageView = layout.findViewById(R.id.*toastImageView*);  
  
 // Set text and icon for the custom toast  
 toastTextView.setText("Custom Toast In Android");  
 toastImageView.setImageResource(R.drawable.*ic\_launcher\_background*); // Set image resource  
  
 // Create a new Toast object and set the custom view  
 Toast toast = new Toast(getApplicationContext());  
 toast.setDuration(Toast.*LENGTH\_LONG*); // Set duration  
 toast.setView(layout); // Set the custom layout  
 toast.show(); // Display the custom toast  
 }  
 });  
 }  
}