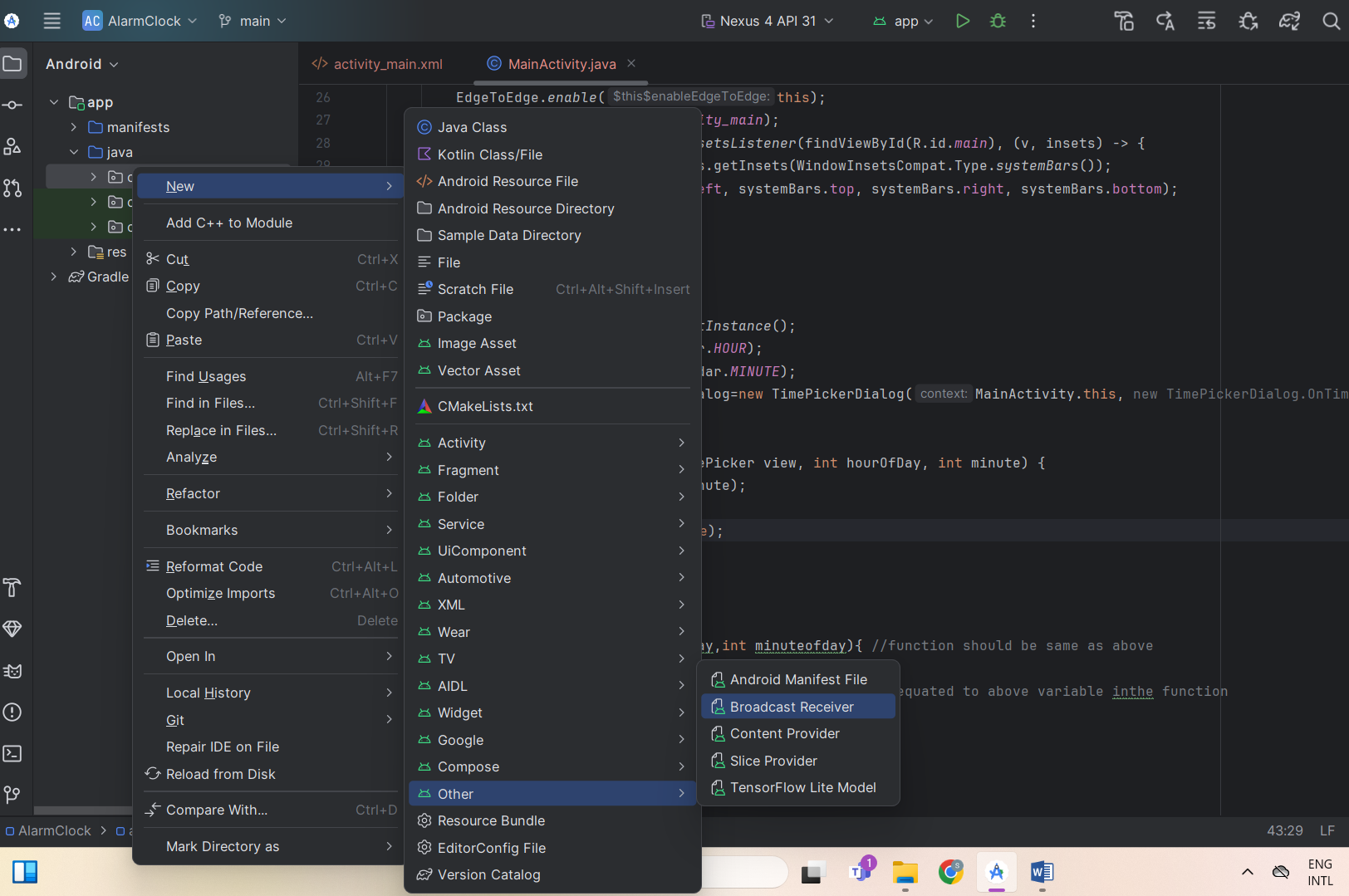
Main Activity.java

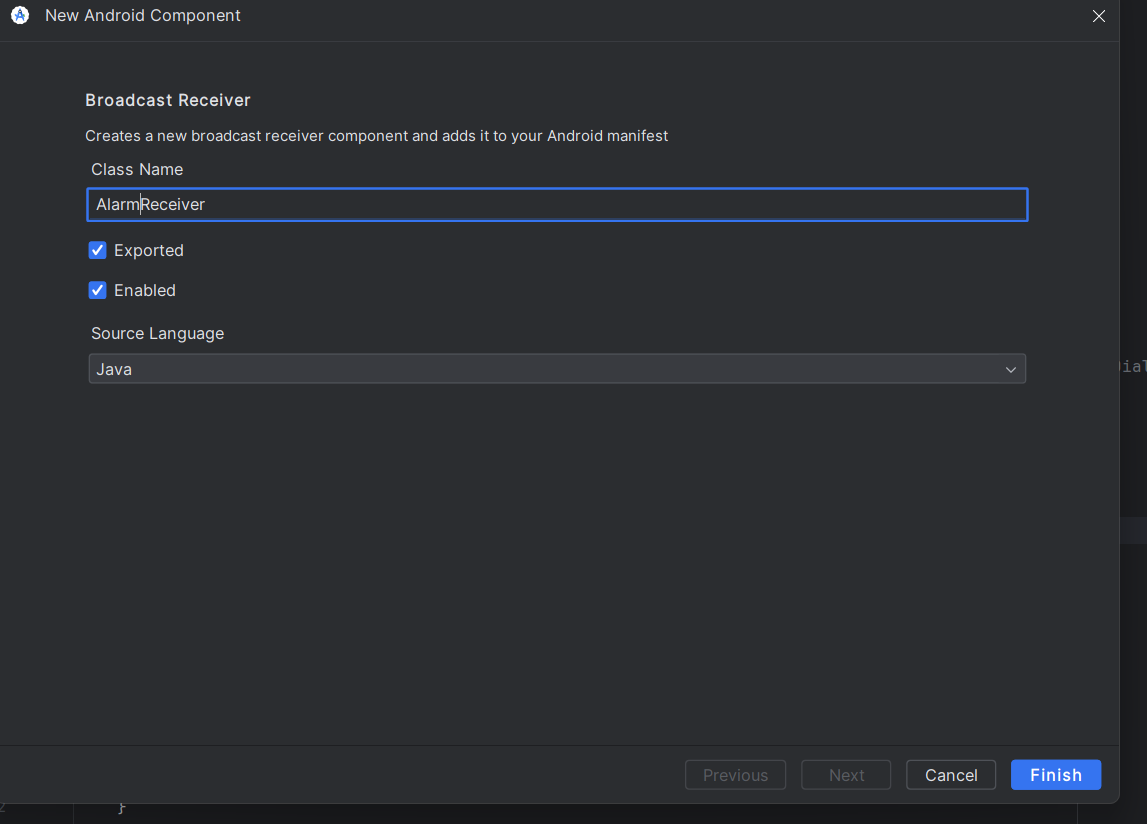
Alaram system is a broadcast system,so need to create a reciver class

Imports:   
import android.view.View;  
import android.app.AlarmManager;  
import android.app.PendingIntent;  
import android.widget.TimePicker;  
import android.app.TimePickerDialog;  
import java.util.Calendar;  
import android.content.Intent;  
import android.content.Context;  
import android.widget.Toast;

package com.example.alarmclock;  
  
import android.os.Bundle;  
  
import androidx.activity.EdgeToEdge;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.graphics.Insets;  
import androidx.core.view.ViewCompat;  
import androidx.core.view.WindowInsetsCompat;  
import android.view.View;  
import android.app.AlarmManager;  
import android.app.PendingIntent;  
import android.widget.TimePicker;  
import android.app.TimePickerDialog;  
import java.util.Calendar;  
import android.content.Intent;  
import android.content.Context;  
import android.widget.Toast;  
  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 EdgeToEdge.*enable*(this);  
 setContentView(R.layout.*activity\_main*);  
 ViewCompat.*setOnApplyWindowInsetsListener*(findViewById(R.id.*main*), (v, insets) -> {  
 Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.*systemBars*());  
 v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);  
 return insets;  
 });  
 }  
 public void startRing(View v){  
 Calendar calendar=Calendar.*getInstance*();  
 int hour=calendar.get(Calendar.*HOUR*);  
 int minute=calendar.get(Calendar.*MINUTE*);  
 TimePickerDialog timePickerDialog=new TimePickerDialog(MainActivity.this, new TimePickerDialog.OnTimeSetListener() {  
 @Override  
 public void onTimeSet(TimePicker view, int hourOfDay, int minute) {  
 setAlarm(hourOfDay,minute);  
 }  
 },hour,minute,true);  
 timePickerDialog.show();  
  
 }  
 private void setAlarm(int hourofday,int minuteofday){ //function should be same as above  
 Calendar calendar=Calendar.*getInstance*();  
 calendar.set(Calendar.*HOUR\_OF\_DAY*,hourofday);//it is equated to above variable inthe function  
 calendar.set(Calendar.*MINUTE*,minuteofday);  
 calendar.set(Calendar.*SECOND*,0);  
 Intent intent=new Intent(MainActivity.this,AlarmReceiver.class);  
 PendingIntent pendingIntent=PendingIntent.*getBroadcast*(this,0,intent,0);  
 AlarmManager alarmManager=(AlarmManager)getSystemService(Context.*ALARM\_SERVICE*);  
 if (alarmManager!=null){  
 alarmManager.setExact(AlarmManager.*RTC\_WAKEUP*,calendar.getTimeInMillis(),pendingIntent);  
 }  
 }  
  
 public void stopRIng(View v){  
  
 }  
}

Broad cast reciver :





package com.example.alarmclock;  
  
import android.content.BroadcastReceiver;  
import android.content.Context;  
import android.content.Intent;  
import android.media.Ringtone;  
import android.media.RingtoneManager;  
import android.net.Uri;  
import android.widget.Toast;  
  
public class AlarmReceiver extends BroadcastReceiver {  
  
 @Override  
 public void onReceive(Context context, Intent intent) {  
 // Display a Toast message  
 Toast.*makeText*(context, "Wakeup", Toast.*LENGTH\_LONG*).show();  
  
 // Get the default alarm URI  
 Uri alarmUri = RingtoneManager.*getDefaultUri*(RingtoneManager.*TYPE\_ALARM*);  
  
 if (alarmUri != null) {  
 // Create a Ringtone object  
 Ringtone ringtone = RingtoneManager.*getRingtone*(context, alarmUri);  
 if (ringtone != null) {  
 // Play the ringtone  
 ringtone.play();  
 }  
 }  
 }  
}

Manfiest:

</activity>  
</application>  
<uses-permission android:name="android.permission.WAKE\_LOCK"/>