# Code for Alert Notification

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|------|------------------|
| Team ID | PNT2022TMID30855 |
| Project Name | IoT based safety gadget for ChildSafety Monitoringand Notification |
| TEAM LEADER | ATHITIYA KA |
| TEAM MEMBERS | DHARANI S<br><br>ARUN KUMAR K<br><br>DINESH KUMAR CS |

**CODE:**

```java
package com.example.geofence;

import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;
import android.location.Location;
import android.os.CountDownTimer;
import android.util.Log;
import android.widget.Toast;
```

```java
import com.google.android.gms.location.Geofence;
import com.google.android.gms.location.GeofencingEvent;


import java.util.List;
import android.os.Handler;



public class GeofenceBroadcastReceiver extends BroadcastReceiver {

    private static final String TAG = "GeofenceBroadcastReceiv";

    @Override
    public void onReceive(Context context, Intent intent) {
        // TODO: This method is called when the BroadcastReceiver is receiving
        // an Intent broadcast
        //.
     /*Toast.makeText(context, "GEOFENCE_ENTERED", Toast.LENGTH_SHORT).show();


        final Toast mToastToShow;
        int toastDurationInMilliSeconds = 1200000;
        mToastToShow = Toast.makeText(context, "GEOFENCE_EXITED", Toast.LENGTH_LONG);



        // Set the countdown to display the toast
        CountDownTimer toastCountDown;
        toastCountDown = new CountDownTimer(toastDurationInMilliSeconds, 100000) {
            public void onTick(long millisUntilFinished) {
                mToastToShow.show();
            }
```

```java
        public void onFinish() {

            mToastToShow.cancel();

        }

    };


    // Show the toast and starts the countdown

    mToastToShow.show();

    toastCountDown.start();*/



  NotificationHelper notificationHelper = new NotificationHelper(context);

    notificationHelper.sendHighPriorityNotification("GEOFENCE_TRANSITION_ENTER", "",
MapsActivity.class);


 GeofencingEvent geofencingEvent = GeofencingEvent.fromIntent(intent);


   if (geofencingEvent.hasError()) {

      Log.d(TAG, "onReceive: Error receiving geofence event...");

      return;

   }


   List<Geofence> geofenceList = geofencingEvent.getTriggeringGeofences();

   for (Geofence geofence: geofenceList) {

      Log.d(TAG, "onReceive: " + geofence.getRequestId());

   }
//      Location location = geofencingEvent.getTriggeringLocation();

   int transitionType = geofencingEvent.getGeofenceTransition();


   switch (transitionType) {

      case Geofence.GEOFENCE_TRANSITION_ENTER:
```

```java
            notificationHelper.sendHighPriorityNotification("Entered the Location", "",
MapsActivity.class);

            break;


        case Geofence.GEOFENCE_TRANSITION_EXIT:


            notificationHelper.sendHighPriorityNotification("Exited the Location ", "",
MapsActivity.class);

            break;
    }


  }
  }
```