**Android Service Example:**

**Main activity.java:**

package com.example.service.myapplication;

import android.content.Intent;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

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import android.app.Activity;

import android.util.Log;

import android.view.View;

public class MainActivity extends Activity {

String msg = "Android : ";

/\*\* Called when the activity is first created. \*/

@Override

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

Log.d(msg, "The onCreate() event");

}

public void startService(View view) {

startService(new Intent(getBaseContext(), MyService.class));

}

// Method to stop the service

public void stopService(View view) {

stopService(new Intent(getBaseContext(), MyService.class));

}

}

**Activity\_main.xml:**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools" android:layout\_width="match\_parent"

android:layout\_height="match\_parent" android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

android:paddingBottom="@dimen/activity\_vertical\_margin" tools:context=".MainActivity">

<TextView

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Example of services**"**

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true"

android:textSize="30dp" />

<TextView

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Tutorials point "

android:textColor="#ff87ff09"

android:textSize="30dp"

android:layout\_above="@+id/imageButton"

android:layout\_centerHorizontal="true"

android:layout\_marginBottom="40dp" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/button2"

android:text="Start Services"

android:onClick="startService"

android:layout\_below="@+id/imageButton"

android:layout\_centerHorizontal="true" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Stop Services"

android:id="@+id/button"

android:onClick="stopService"

android:layout\_below="@+id/button2"

android:layout\_alignLeft="@+id/button2"

android:layout\_alignStart="@+id/button2"

android:layout\_alignRight="@+id/button2"

android:layout\_alignEnd="@+id/button2" />

</RelativeLayout>

**Now Add a service exactly in the same way how we add fragments**

**Service.java**

package com.example.service.myapplication;

import android.app.Service;

import android.content.Intent;

import android.os.IBinder;

import android.support.annotation.Nullable;

import android.widget.Toast;

public class MyService extends Service {

@Nullable

@Override

public IBinder onBind(Intent intent) {

return null;

}

@Override

public int onStartCommand(Intent intent, int flags, int startId) {

// Let it continue running until it is stopped.

Toast.makeText(this, "Service Started", Toast.LENGTH\_LONG).show();

return START\_STICKY;

// START\_STICKY; tells the OS to recreate the service after it has enough memory and call onStartCommand () again with a null intent.

}

@Override

public void onDestroy() {

super.onDestroy();

Toast.makeText(this, "Service Destroyed", Toast.LENGTH\_LONG).show();

}

}

**AndroidManifest.xml file:**

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package=" com.example.service.myapplication;">

<application

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:supportsRtl="true"

android:theme="@style/AppTheme">

<activity android:name=".MainActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

<service android:name=".MyService" />

</application>

</manifest>