**package** io.cluo29.github.myapplication;

**import** android.app.Service;

**import** android.content.BroadcastReceiver;

**import** android.content.Context;

**import** android.content.Intent;

**import** android.content.IntentFilter;

**import** android.os.IBinder;

**import** android.util.Log;

**public class** MyService2 **extends** Service {

**public** MyService2() {

}

@Override

**public void** onCreate() {

Log.*d*(**"ServiceWords"**, **"service 2 Alive"**);

ServiceThread ServiceThread1 = **new** ServiceThread();

Thread thread1 = **new** Thread(ServiceThread1);

thread1.start();

Log.*d*(**"ServiceWords"**, **"thread interrupt gonna send"**);

**while**(**true**){

**if** (ServiceThread1.**intheloop**) {

*// if thread starts loop*

*// send inteerupt*

thread1.interrupt();

Log.*d*(**"ServiceWords"**, **"thread interrupt sent"**);

**break**;

}

}

}

**public class** ServiceThread **implements** Runnable {

*// volatile makes sure reading it from memory, not cache,*

**volatile boolean isRunning** = **false**;

*// this is for experiment*

**public boolean intheloop** = **false**;

@Override

**public void** run() {

**isRunning** = **true**;

**try** {

Log.*d*(**"ServiceWords"**, **"thread running"**);

**while**(**isRunning**) {

**intheloop** = **true**;

Log.*d*(**"ServiceWords"**, **"gonna sleep"**);

**while**(**isRunning**) {

*// without code in this "if", interrupt() cannot stop it*

**if** (Thread.*currentThread*().isInterrupted()) {

Log.*d*(**"ServiceWords"**, **"isInterrupted"**);

*// release thread resources*

*// let other threads know you are no longer running*

*// isInterrupted doesn't mean not running!!! It can be releasing resources*

**isRunning** = **false**;

**return**;

}

}

Thread.*sleep*(19999);

}

Log.*d*(**"ServiceWords"**, **"thread ending"**);

} **catch**(Exception e) {

*// release thread resources*

Log.*d*(**"ServiceWords"**, **"thread Exception "** + e.toString());

*//InterruptedException may appear*

**isRunning** = **false**;

}

}

}

@Override

**public** IBinder onBind(Intent intent) {

*//* ***TODO: Return the communication channel to the service.***

**throw new** UnsupportedOperationException(**"Not yet implemented"**);

}

}