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**Android Sleep Band SDK Description**

jar package location.

... \SleepTest\app\libs\jstyleSleepSdkNative1.3.jar

jniLibs Location:

... \SleepTest\app\src\main\jniLibs

initialization

ResolveUtil resloveUtil = **new** ResolveUtil(SleepDataListener sleepDataListener)

);

//heartArrays 1440 heart rate data for the day

//breathArrays 1440 breath data for the day

// The heart rate and respiration data here is obtained from the sleep band and then saved to the local database, and taken out according to the time of day.

resloveUtil.getSleepData(**float**[] heartArrays, **float**[] breathArrays)

The parsed data is in the sleepDataListener callback.

**public interface** SleepDataListener {

// Breath data for drawing  
 **void** getBreathDataArray(**float**[] var1);  
 // Heart rate data for drawing  
 **void** getHeartDataArray(**float**[] var1);.  
 // Sleep detail data  
 **void** getSleepDetail(SleepDetail var1);  
 }

SleepDetail

**public class** SleepDetail {

//Average Breath Rate  
 **int** avgBreathRate;

//average heart rate  
 **int** avgHeartRate.

// the length of time from going to bed to going to sleep  
 **int** goSleepTime.

// sleep efficiency  
 **int** sleepEfficiency;

// Sleep time  
 **int** sleepTime;

//remTime  
 **int** remTime;

//deepTime; int deepTime; int deepTime; int deepTime; int deepTime; int deepTime  
 **int** deepTime;

// light sleep time  
 **int** lightTime.

// awakeTime; int awakeTime; int awakeTime; int awakeTime; int awakeTime; int awakeTime  
 **int** awakeTime;

//restTime  
 **int** restTime;

// Sleep level  
 **int** SleepQualityLevel;

// A collection of start times for each sleep period  
 List<Integer> effectiveStartTimes = **new** ArrayList();

// A collection of end times for each sleep period  
 List<Integer> effectiveEndTimes = **new** ArrayList();

/sleepPeriod for sleep time  
 List<SleepDetail.SleepPeriod> sleepPeriodList;

// Sleep segments during the day  
 **int** sleepSegment;  
 st\_sleep\_info st\_sleep\_info.

}}