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# J2ME RMS Read Write

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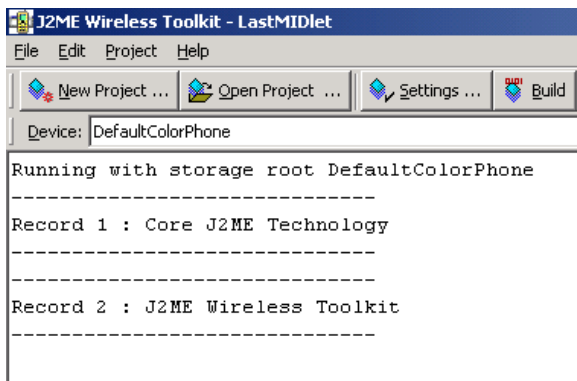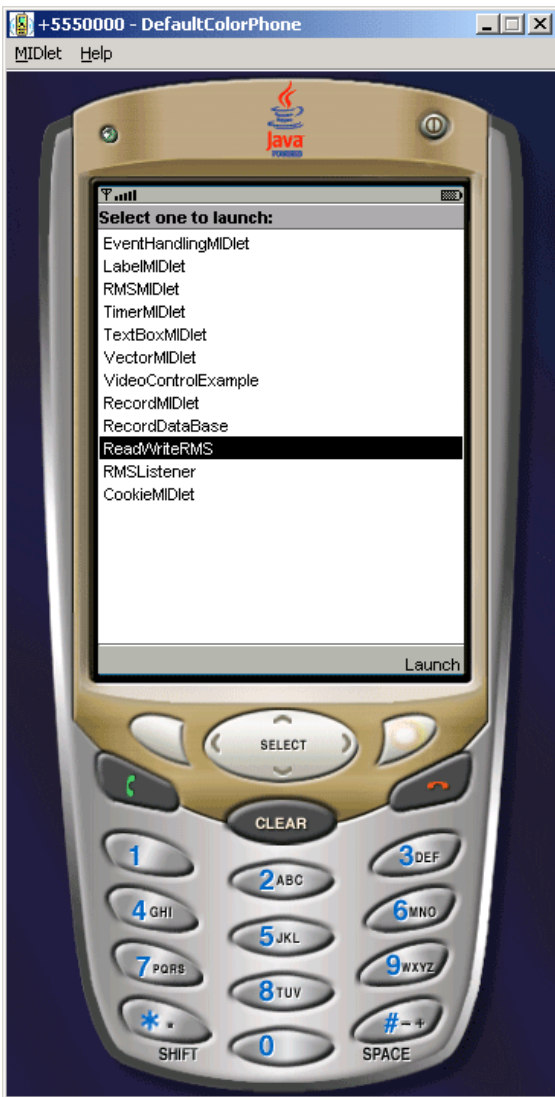
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**This Application specially tries to explain how to read and write the data using RecordStore class.**

## J2ME RMS Read Write

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This Application specially tries to explain how to read and write the data using RecordStore class. In the RecordStore class the following methods are available:

- addRecord(byte[] data, int offset, int numBytes)
- addRecordListener(RecordListener listener)
- closeRecordStore()
- deleteRecord(int recordId)
- deleteRecordStore(String recordStoreName)
- enumerateRecords(RecordFilter filter, RecordComparator comparator, boolean keepUpdated)
- getLastModified()
- getName()
- getNextRecordID()
- getNumRecords()
- getRecord(int recordId)
- getRecord(int recordId, byte[] buffer, int offset)
- getRecordSize(int recordId)
- getSize()
- getSizeAvailable()
- getVersion()
- listRecordStores()
- openRecordStore(String recordStoreName, boolean createIfNecessary)
- removeRecordListener(RecordListener listener)
- setRecord(int recordId, byte[] newData, int offset, int numBytes)

The Application is as follows:

```
Running with storage root DefaultColorPhone
-----------------------------
Record 1 : Core J2ME Technology
-----------------------------
-----------------------------
Record 2 : J2ME Wireless Toolkit
-----------------------------
```

**ReadWriteRMS.java**

```java
import javax.microedition.midlet.*;

import javax.microedition.lcdui.*;

import javax.microedition.io.*;

import javax.microedition.rms.*;

public class ReadWriteRMS extends MIDlet{
  private RecordStore rs = null;
  static final String REC_STORE = "ReadWriteRMS";

  public void startApp(){
  openRecStore();
  writeRecord("Core J2ME Technology");
  writeRecord("J2ME Wireless Toolkit");
```

```java
readRecords();
closeRecStore();
deleteRecStore();
}


public void pauseApp(){}


public void destroyApp(boolean unconditional){
notifyDestroyed();
}


public void openRecStore(){
try{
rs = RecordStore.openRecordStore(REC_STORE, true );
}catch (Exception e){}
}


public void closeRecStore(){
try{
rs.closeRecordStore();
}catch (Exception e){}
}


public void deleteRecStore(){
if (RecordStore.listRecordStores() != null){
try{
RecordStore.deleteRecordStore(REC_STORE);
}catch (Exception e){}
}
}


public void writeRecord(String str){
byte[] rec = str.getBytes();
try{
rs.addRecord(rec, 0, rec.length);
}catch (Exception e){}
}


public void readRecords(){
try{
byte[] recData = new byte[5];
int len;

for(int i = 1; i <= rs.getNumRecords(); i++){
if(rs.getRecordSize(i) > recData.length){
recData = new byte[rs.getRecordSize(i)];
}
len = rs.getRecord(i, recData, 0);
System.out.println("------------------------------");
System.out.println("Record " + i + " : " +
  new String(recData, 0, len));
System.out.println("------------------------------");
}
}catch (Exception e){}
}
}
```
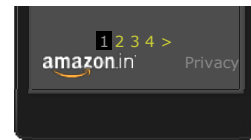
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**Nsubuga Nicholas**
April 17, 2011
quetion

how can i write data to the record store form the j2me form and retrieve it

**nufa**
January 10, 2012
source code j2me

does the rms create a record (exp: in a .txt file)? If so, where does this record resides?

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