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<b>Platform</b>	S60 3rd Edition FP1, S60 3rd Edition FP2, S60 5th Edition	<b>Tested on devices</b>	Emulator
<b>Category</b>	Qt for Symbian	<b>Subcategory</b>	

**Keywords (APIs, classes, methods, functions):** QDataStream

## Overview

This code snippet demonstrates how to use QDataStream for performing file read and write in Qt for S60.

In my previous article same function would be perform using QTextStream.

## Preconditions

- Download and Install latest version Qt for Symbian - Installation packages which has links on how to install the latest version

## Various Functions

- Sets the serialization byte order to bo.

```
in.setByteOrder(QDataStream::LittleEndian);
```

- Sets the version number of the data serialization format to v

```
QDataStream out(file);
out.setVersion(QDataStream::Qt_4_0);
```

## Source File

**More About QDataStream:** <http://pepper.troll.no/s60prereleases/doc/qdatastream.html>

```
#include "fileIO.h"
#include <QFile>
#include <QLabel>
#include <QDataStream>
fileIO::fileIO(QWidget *parent)
    : QWidget(parent)
{
    QFile file("test.txt");
    open(QIODevice::WriteOnly);
    QDataStream out(&file); // we will serialize the data into the file
    out << "welcome to the Qt World"; // serialize a string
    out.flush();

    file.close();

    QFile file2("adst.txt");
    open(QIODevice::ReadOnly);
    QDataStream in(&file2); // read the data serialized from the file
    QString str;
    in >> str;
}

fileIO::~fileIO()
{
}
}
```

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