TinyXml In Practice

Keep It Small and Simple

Setup Environment

&

Write Your First Application

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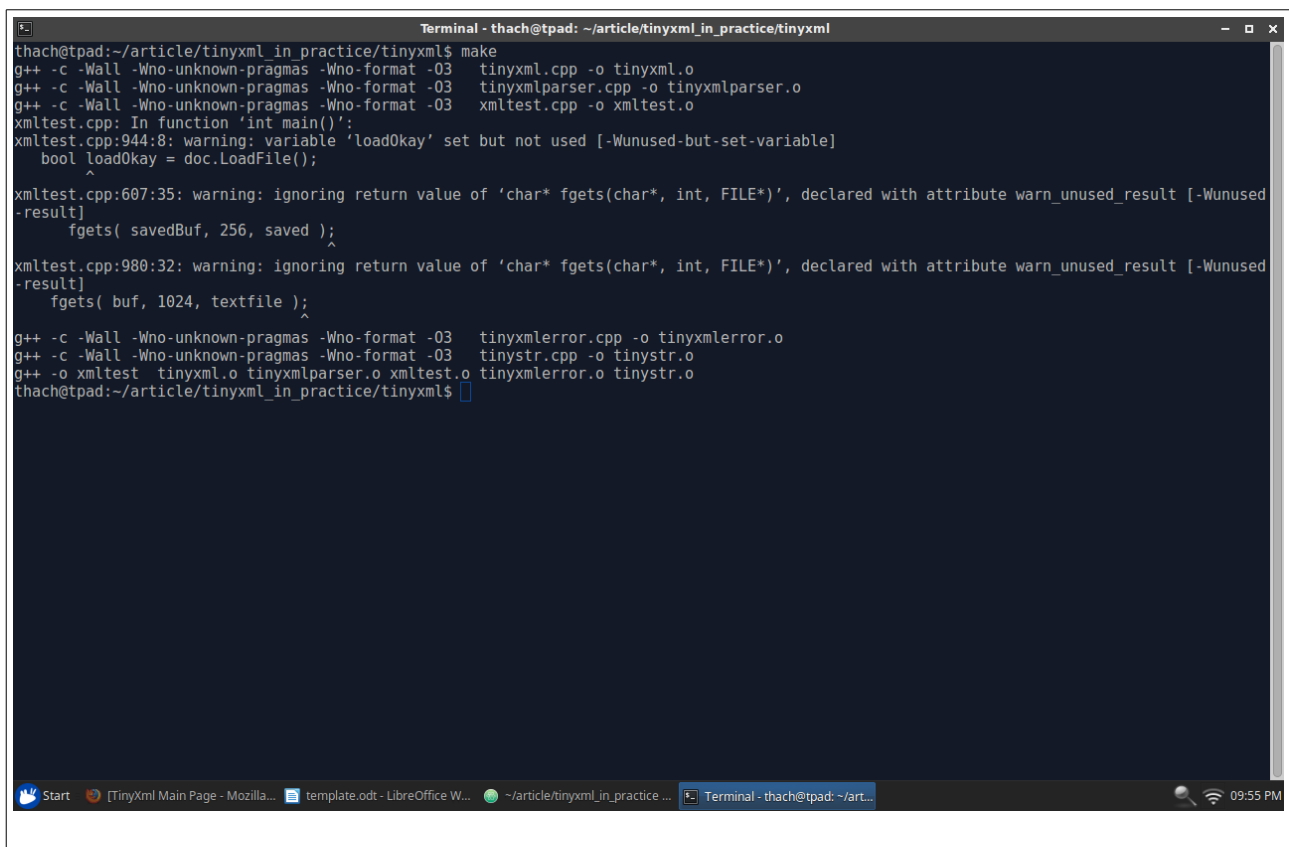
Setup Environment

Download and extract

```
http://www.grinninglizard.com/tinyxml/
```

Build

```
make
```


Run demo

```
./xmltest
```

```
thach@tpad:~/article/tinyxml_in_practice/tinyxml$ ./xmltest
** Demo doc read from disk: **

** Printing via doc.Print **
<?xml version="1.0" standalone="no" ?>
<!-- Our to do list data -->
<ToDo>
    <!-- Do I need a secure PDA? -->
    <Item priority="1" distance="close">Go to the
        <bold>Toy store!</bold>
    </Item>
    <Item priority="2" distance="none">Do bills</Item>
    <Item priority="2" distance="far &amp; back">Look for Evil Dinosaurs!</Item>
</ToDo>
** Printing via TiXmlPrinter **
<?xml version="1.0" standalone="no" ?>
<!-- Our to do list data -->
<ToDo>
    <!-- Do I need a secure PDA? -->
    <Item priority="1" distance="close">
        Go to the
        <bold>Toy store!</bold>
    </Item>
    <Item priority="2" distance="none">Do bills</Item>
    <Item priority="2" distance="far &amp; back">Look for Evil Dinosaurs!</Item>
</ToDo>

** Demo doc processed: **

<?xml version="1.0" standalone="no" ?>
<!-- Our to do list data -->
<ToDo>
    <!-- Do I need a secure PDA? -->
    <Item priority="2" distance="close">Go to the
        <bold>Toy store!</bold>
    </Item>
    <Item priority="1" distance="far">Talk to:
        <Meeting where="School">
            <Attendee name="Marple" position="teacher" />
            <Attendee name="Voel" position="counselor" />
        </Meeting>
```
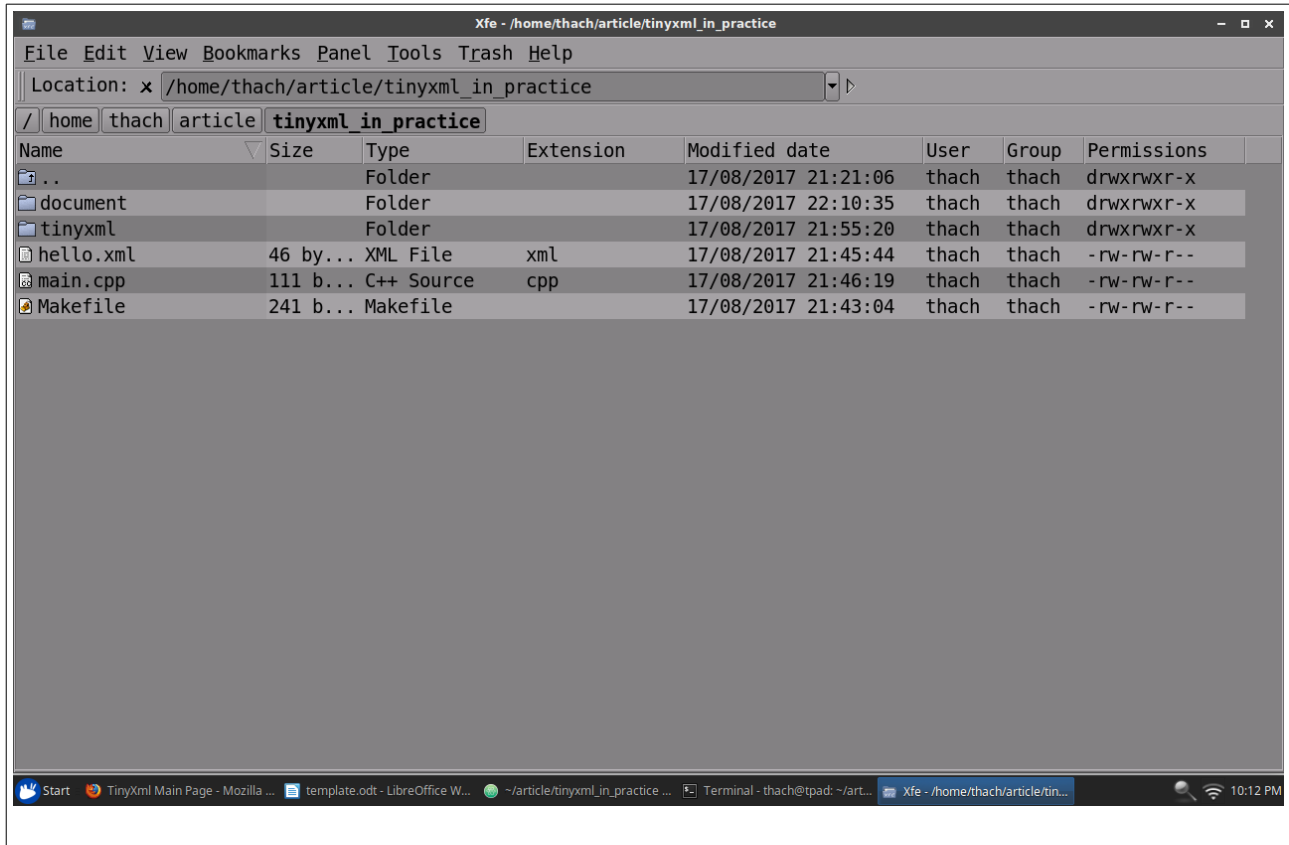
Write Your First Application

We use TinyXml as library, so we will don't write code inside tinyxml folder.

Create files: main.cpp, hello.xml, Makefile outside tinyxml folder.

Create xml data

hello.xml

```
<?xml version="1.0">
<Text>Hello World</Text>
```

Add code to load and print data

main.cpp

```cpp
#include "tinyxml.h"

int main()
{
    TiXmlDocument doc("hello.xml");
    doc.LoadFile();

    doc.Print();
}
```
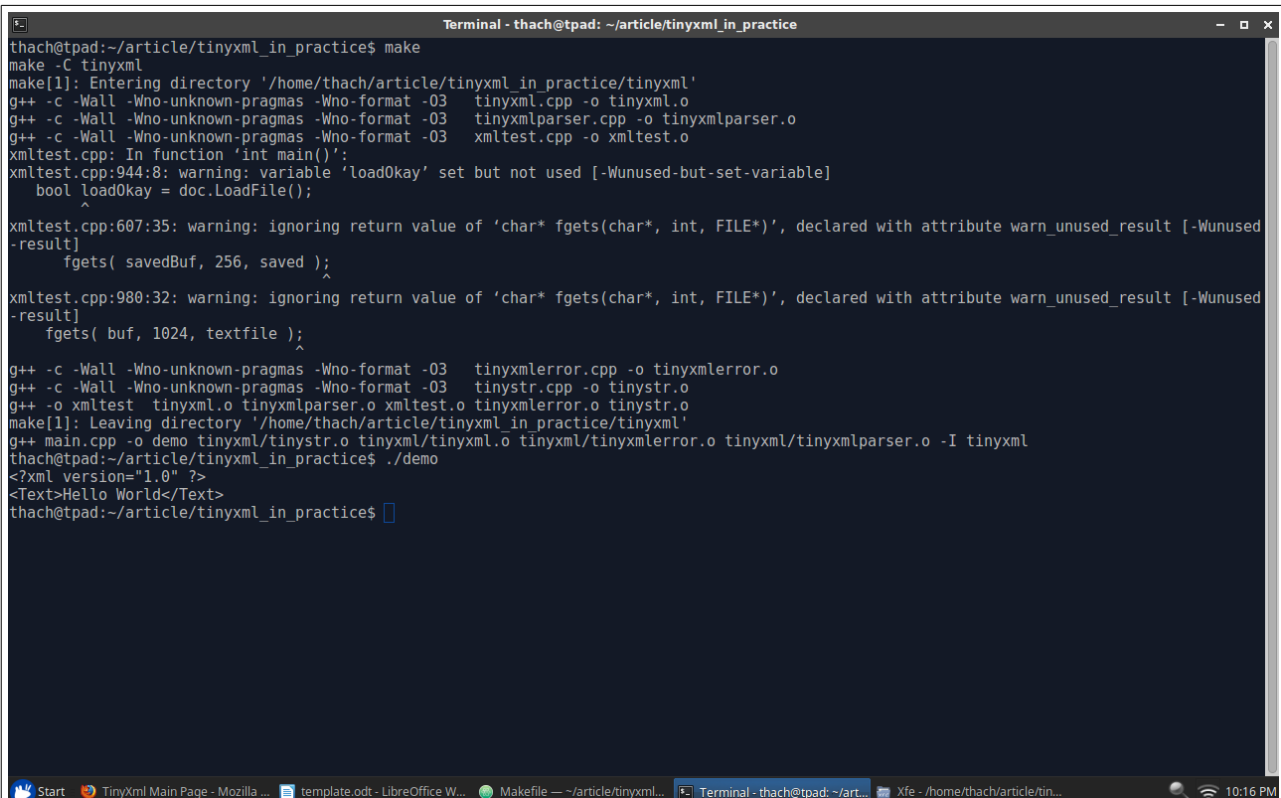
Add Makefile to compile source

```
Makefile
```

```
TINY_OBJ =  tinyxml/tinystr.o \
                tinyxml/tinyxml.o \
                tinyxml/tinyxmlerror.o \
                tinyxml/tinyxmlparser.o

TINY_INC = -I tinyxml

.PHONY: all tinyxml

all: tinyxml
        g++ main.cpp -o demo ${TINY_OBJ} ${TINY_INC}

tinyxml:
        make -C tinyxml
```

Compile and run

```
make
./demo
```