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Subject: Parsing xml..

Posted by [Monty.mvh](#) on Tue, 27 Mar 2012 11:19:40 GMT

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Hi Friends,

I am trying to parse a xml file and i am referring to an example Xml.cpp present in reference section.

Say i have a xml content of below kind

```
<Player name="john" score1="10" score2="20" score3="30" score4="40" />
<Player name="frank" score1="40" score2="60" score3="80" score4="20"/>
```

Please suggest a example or pseudocode to get these individual scores using XmlParser.

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Subject: Re: Parsing xml..

Posted by [Sender Ghost](#) on Tue, 27 Mar 2012 19:16:02 GMT

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Hello, Monty.

Monty.mvh wrote on Tue, 27 March 2012 13:19 Please suggest a example or pseudocode to get these individual scores using XmlParser

```
#include <Core/Core.h>
```

```
using namespace Upp;
```

```
const String xml = "\
<?xml version=\"1.0\" encoding=\"UTF-8\" standalone=\"yes\" ?>\n\
<Scores>\n\
  <Player name=\"john\" score1=\"10\" score2=\"20\" score3=\"30\" score4=\"40\" />\n\
  <Player name=\"frank\" score1=\"40\" score2=\"60\" score3=\"80\" score4=\"20\" />\n\
</Scores>\n\";
```

```
CONSOLE_APP_MAIN
```

```
{
  Cout() << "Using XmlParser:\n\";
```

```
  XmlParser p(xml);
```

```
  try {
    while (!p.IsTag())
      p.Skip();
```

```
  p.PassTag("Scores");
```

```

while (!p.End())
if (p.TagE("Player")) {
    String name = p["name"];
    int score1 = p.Int("score1"),
        score2 = p.Int("score2"),
        score3 = p.Int("score3"),
        score4 = p.Int("score4");

    Cout() << Format("%s: %d, %d, %d, %d\n", name, score1, score2, score3, score4);
}
else p.Skip();
}
catch(XmlError e) {
    Cerr() << "XmlError: " << e << '\n';
    SetExitCode(1);
    return;
}

Cout() << "\nUsing XmlNode:\n";

XmlNode node;
try {
    node = ParseXML(xml);
}
catch (XmlError e) {
    Cerr() << "XmlError: " << e << '\n';
    SetExitCode(1);
    return;
}

const XmlNode& Iscores = node["Scores"];
if (Iscores.IsVoid()) {
    Cerr() << "There is no 'Scores' tag";
    SetExitCode(1);
    return;
}

for (int i = 0, n = Iscores.GetCount(); i < n; ++i) {
    const XmlNode& lplayer = Iscores[i];
    if (!lplayer.IsTag("Player"))
        continue;

    String name = lplayer.Attr("name");
    int score1 = ScanInt(lplayer.Attr("score1")),
        score2 = ScanInt(lplayer.Attr("score2")),
        score3 = ScanInt(lplayer.Attr("score3")),
        score4 = ScanInt(lplayer.Attr("score4"));
}

```

```
Cout() << Format("%s: %d, %d, %d, %d\n", name, score1, score2, score3, score4);  
}  
}
```

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Subject: Re: Parsing xml..

Posted by [Monty.mvh](#) on Wed, 28 Mar 2012 04:11:39 GMT

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Thank you very much Sender Ghost.

This method was helpful .

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