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Subject: Re: Read a text file and assign values to variables int and double

Posted by [jjacksonRIAB](#) on Mon, 14 Feb 2022 18:35:17 GMT

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Very old question and no one answered it but if you want solutions for parsing files a good place to start is with CParser. Yes, it's made to parse C-like languages but it can be adapted for other purposes quite easily.

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

```
using namespace Upp;
```

```
String test =
```

```
R"(
1 ____ 100.00
2 ____ 200.00
3 ____ 300.00
)";
```

```
CONSOLE_APP_MAIN {
```

```
    CParser parser;
    parser.Set(test);
```

```
    Vector<int> integers;
    Vector<double> doubles;
```

```
    while(!parser.IsEof()) {
        if(parser.IsNumber()) {
            integers.Add() = parser.ReadNumber();

            while(parser.IsChar('_')) parser.PassChar('_');

            if(parser.IsDouble()) {
                doubles.Add() = parser.ReadDouble();
            }
        }
        else {
            CParser::Pos pos = parser.GetPos();
            Cout() << Format("Error: Unexpected input at (%d, %d)\n", pos.GetColumn(), pos.line);
            return;
        }
    }
}
```

```
Cout() << integers << EOL
      << doubles << EOL;
```

```
}
```

I'm posting this after so long with no answer because even though you may not have received an answer in a timely manner, someone else will at least find this useful.

Forgot to add that passing on '\_' is not strictly necessary unless by "blank space" you mean anything instead of whitespace. CParser will, by default, skip whitespace and if you don't care about verifying the parse, you can easily get away with:

```
CONSOLE_APP_MAIN {
    CParser parser;
    parser.Set(test);

    Vector<int> integers;
    Vector<double> doubles;

    while(!parser.IsEof()) {
        integers.Add() = parser.ReadNumber();
        doubles.Add() = parser.ReadDouble();
    }

    Cout() << integers << EOL
        << doubles << EOL;
}
```

but I wanted to show off CParser a bit.