Subject: Read CSV Line (Solved)
Posted by sergeynikitin on Tue, 08 May 2012 14:21:12 GMT
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I was looking for how to read CSV line, so to correctly handle the case with the double quotes, the lack of quotation marks (two close delimiter) or double quotes within quotes.

Perhaps what I found to be useful to someone.

```
Vector<String> CsvlinePopulate(String line, String delimiter)
{
 Vector<String> record;
 int linepos=0;
 bool inquotes=false;
 String c;
 //int i;
 int linemax=line.GetLength();
 String curstring;
 record.Clear();

 while(linepos < linemax){
  c = line.Mid(linepos,1);
  if (!inquotes && curstring.GetLength()==0 && c=="\"") {
     //beginquotechar
     inquotes=true;
  } else if (inquotes && c=="\"") {
     //quotechar
     if ( (linepos+1 <linemax) && (line.Mid(linepos+1,1)=="\"") ) {
        //encountered 2 double quotes in a row (resolves to 1 double quote)
        curstring.Cat() << c;
        linepos++;
     } else {
        //endquotechar
        inquotes=false;
     }
  } else if (!inquotes && c==delimiter) {
     //end of field
     record.Add( curstring );
     curstring="";
  } else if (!inquotes && (c=="\r" || c=="\n") ) {
     record.Add( curstring );
     return record;
  } else {
     curstring.Cat() << c;
  }
  linepos++;
 }
 record.Add( curstring );
```

```
 return record;
}
```

Just found a variant of Mirek:
http://www.ultimatepp.org/forum/index.php?t=msg&goto=336 79&&srch=csv#msg_33679
