

How to save and load a TStringGrid to and from a file

Here's how the contents of a string grid can be saved to file:

```
procedure SaveStringGrid(AStringGrid: Grids.TStringGrid;  
  const AFileName: SysUtils.TFileName);  
var  
  F: TextFile;  
  I, K: Integer;  
begin  
  AssignFile(F, AFileName);  
  Rewrite(F);  
  with AStringGrid do  
  begin  
    // Write number of Columns/Rows  
    Writeln(F, ColCount);  
    Writeln(F, RowCount);  
    // loop through cells  
    for I := 0 to ColCount - 1 do  
      for K := 0 to RowCount - 1 do  
        Writeln(F, Cells[I, K]);  
    end;  
  CloseFile(F);  
end;
```

It can be loaded again using this code:

```
procedure LoadStringGrid(AStringGrid: Grids.TStringGrid;  
  const AFileName: SysUtils.TFileName);  
var  
  F: TextFile;  
  Tmp, I, K: Integer;  
  StrTemp: String;  
begin  
  AssignFile(F, AFileName);  
  Reset(F);  
  with AStringGrid do  
  begin  
    // Get number of columns  
    Readln(F, Tmp);  
    ColCount := Tmp;  
    // Get number of rows  
    Readln(F, Tmp);  
    RowCount := Tmp;  
    // loop through cells & fill in values  
    for I := 0 to ColCount - 1 do  
      for K := 0 to RowCount - 1 do  
        begin  
          Readln(F, StrTemp);  
          Cells[I, K] := StrTemp;  
        end;  
    end;  
  CloseFile(F);  
end;
```

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Added:	2010-12-17
Last updated:	2010-12-17
