

Asciingest

AsciiHeaderReader

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- numHeaderRows : int
+ AsciiHeaderReader()
+ ~AsciiHeaderReader()
+ getItem()
+ setNumHeaderRows()
+ getNumHeaderRows()

```

<<struct>>

rowStringParts

```

+ colNumString : string
+ DType : string
+ prefixLen : string
+ dataLen : string
+ sep : string
+ schemaColName : string
+ assertConvList : string

```

AsciiReader

```

- fileStream : ifstream
- fileName : string
- commentFlag : string
- endLineFlag : string
- lineReadType : int
- currRow : int
- numFieldPerRow : unsigned long
- buffer : string
- commentRex : sregex
- lineRexString : string
- fastSepAccessArray : uint32_t*
- fastPrefixArray : uint32_t*
- fastLenArray : uint32_t*
- fieldPositionArray : int64_t*
- oneLine : string
- lineRex : sregex
- lineData : smatch
- tmpStr : string

- checkAssertions()
- applyConversions()
- readFieldFromLine()
+ AsciiReader()
+ AsciiReader()
+ ~AsciiReader()
+ openFile()
+ closeFile()
+ rewind()
+ skipHeader()
+ readHeader()
+ getNextRow()
+ getItemInRow()
+ getConstItem()
+ setLineParser()
+ getFileName()
+ setCommentFlag()
+ getCommentFlag()
+ setEndLineFlag()
+ getEndLineFlag()
+ getCurrRow()

```

AsciiSchemaMapper

```

- fileStream : ifstream
- formatFileName : string
- numCols : int
- numHeaderRows : int
- assertFac : AsserterFactory*
- convFac : ConverterFactory*

- getNextLineInFile()
- getDBType()
- getNextRowStringParts()
- initSchemaItem()
- reparseForVariables()
+ AsciiSchemaMapper()
+ AsciiSchemaMapper()
+ ~AsciiSchemaMapper()
+ generateSchema()
+ setFormatFileName()
+ getFormatFileName()
+ setAssertionFactory()
+ getAssertionFactory()
+ setConverterFactory()
+ getConverterFactory()
+ getNumCols()
+ getNumHeaderRows()
+ setGreedyTo()

```

AsciiDataObjDesc

```

- lineNumber : int
- prefixSkip : int
- lenData : int
- sep : char[10]
- greedySep : int

+ AsciiDataObjDesc()
+ ~AsciiDataObjDesc()
+ getPrefixSkip()
+ setPrefixSkip()
+ getLenData()
+ setLenData()
+ getLineNumber()
+ setLineNumber()
+ getSep()
+ setSep()
+ setGreedy()
+ getGreedy()

```