Preprocessor reference

MySQL Proxy Generator Tool

This document is about how to write MySql Proxy Generator tool compatible sources.

# Directives

Every preprocessor directive begins with the "#" (sharp) character. This must be the first non-whitespace character in the line: otherwise the line will be treated as an SQL source line.

## Macros

**#define**

With this you can define macros like C and C++ macros. Note, this is only means a replacement for a non-directive lines

## Messaging

**#message**

**#warning**

**#error**

You also can display messages during preprocession process. With this, for eg, you can avoid to push sources in some cases with throwing an explicit error, or just notify the user about some important things.

## Conditional processing

**#ifdef** <macro>/ **#ifndef** <macro>

**#elif** <macro> / **#elifndef** <macro>

**#else**

**#endif**

## Include file

**#include path\file\_name.ext**

It is possible to insert includes into a source. It helps you to work with a standard constant library, and use common code snippets. To avoid recoursive includions, write them like "C" or "C++"

-- include.i

#ifndef \_\_include\_macro

#define \_\_include\_macro

-- Your Code with includes

#endif

# Restrictions

CRETATE FUNCTION and CREATE PROCEDURE phrase:

CREATE FUNCTION phrase must be written in "CREATE FUNCTION <function\_name>" form, the "DEFINER" swithc is not supported. The Proxy Generator will check after if the main source's file name and the procedure or function name is matches. If not, it raises an error.