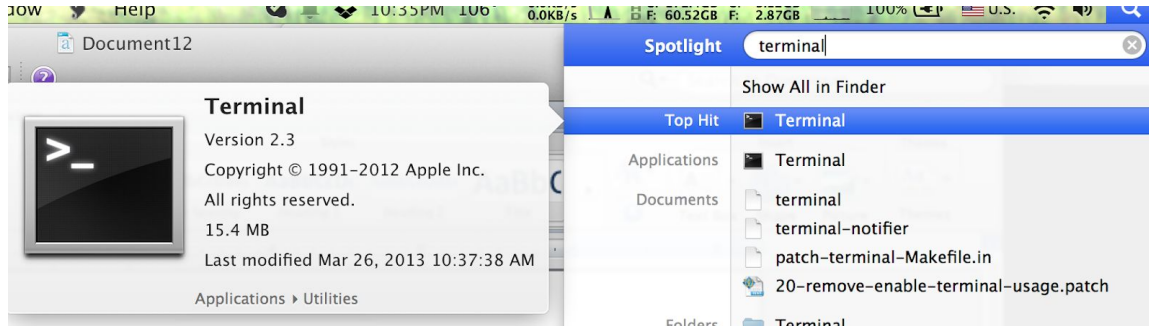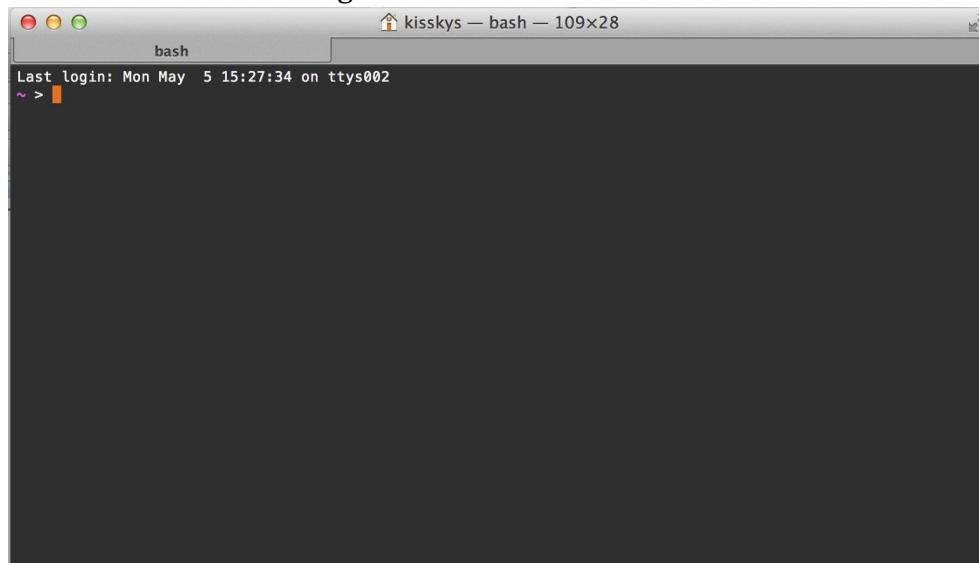# How to use MySQL Command-Line Tool

NOTE: This is an ALTERNATIVE way of executing sql files. You can choose to execute sql files in mysql workbench or command line. Both methods work.

1. Execute the "terminal" program in order to get the command interpreter in your Mac machine.

You will see the following window.

2. Use the createscript.sql provided in the wiki page. Or you can create your own sql file.

3. Run the following commands in cmd to run SQLs in the script file according to the user name that you used when you installed MySQL Community Server. By default the user name is root.
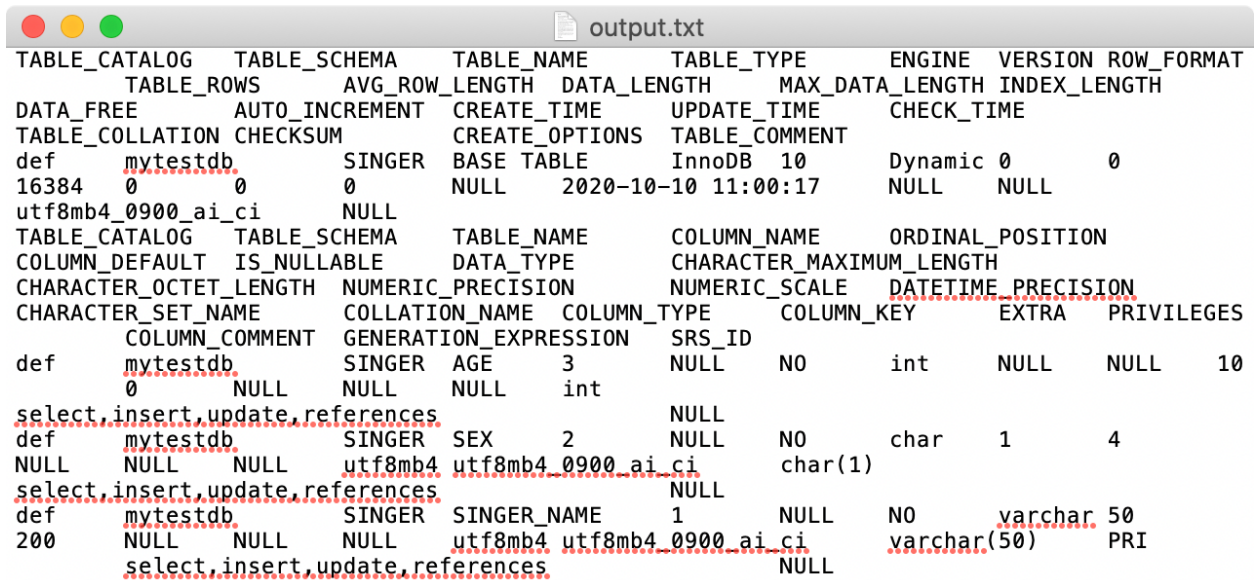
mysql -u root -p <createscript.sql > output.txt

If command mysql is not found, you might need to take a look at this:
https://stackoverflow.com/questions/10577374/mysql-command-not-found-in-os-x-10-7

Then you need to enter the password for root. This password is the one you set for the root

user when you installed mysql. It is **NOT** your computer password.

Then you can find the output from the sql script in output.txt as below:

```
TABLE_CATALOG    TABLE_SCHEMA    TABLE_NAME       TABLE_TYPE      ENGINE  VERSION ROW_FORMAT
        TABLE_ROWS        AVG_ROW_LENGTH  DATA_LENGTH     MAX_DATA_LENGTH INDEX_LENGTH
DATA_FREE        AUTO_INCREMENT  CREATE_TIME      UPDATE_TIME     CHECK_TIME
TABLE_COLLATION CHECKSUM         CREATE_OPTIONS   TABLE_COMMENT
def     mytestdb         SINGER  BASE TABLE       InnoDB  10      Dynamic 0       0
16384   0        0       0       NULL    2020-10-10 11:00:17     NULL    NULL
utf8mb4_0900_ai_ci       NULL
TABLE_CATALOG    TABLE_SCHEMA    TABLE_NAME       COLUMN_NAME      ORDINAL_POSITION
COLUMN_DEFAULT   IS_NULLABLE      DATA_TYPE       CHARACTER_MAXIMUM_LENGTH
CHARACTER_OCTET_LENGTH   NUMERIC_PRECISION       NUMERIC_SCALE   DATETIME_PRECISION
CHARACTER_SET_NAME       COLLATION_NAME  COLUMN_TYPE      COLUMN_KEY      EXTRA   PRIVILEGES
        COLUMN_COMMENT   GENERATION_EXPRESSION   SRS_ID
def     mytestdb         SINGER  AGE     3       NULL    NO      int     NULL    NULL    10
        0        NULL    NULL    NULL    int
select,insert,update,references                  NULL
def     mytestdb         SINGER  SEX     2       NULL    NO      char    1       4
NULL    NULL    NULL    utf8mb4 utf8mb4_0900_ai_ci       char(1)
select,insert,update,references                  NULL
def     mytestdb         SINGER  SINGER_NAME      1       NULL    NO      varchar 50
200     NULL    NULL    NULL    utf8mb4 utf8mb4_0900_ai_ci       varchar(50)     PRI
        select,insert,update,references                  NULL
```

For more information, see MySQL manual page:
http://dev.mysql.com/doc/refman/5.7/en/mysql.html