**Laboratory Report Cover Sheet   
DeVry University  
College of Engineering and Information Sciences**

**Course Number: DBM438**

**Professor:**

**Laboratory Number:** 2

**Laboratory Title:** Creating a New MySQL Database

**Submittal Date:** 3/13/2016

***Objectives:***

The purpose of the lab is to create a new MySQL database using the MySQL command prompt. We will familiarize ourselves with some standard commands to find out about the server environment.

***Lab Results from MySQL Server—As per your lab instructions, you will need to copy the contents of your lab output file in your VM into this document here before submitting this lab report to the Dropbox.***

mysql> # 2.a

mysql> help

For information about MySQL products and services, visit:

http://www.mysql.com/

For developer information, including the MySQL Reference Manual, visit:

http://dev.mysql.com/

To buy MySQL Enterprise support, training, or other products, visit:

https://shop.mysql.com/

List of all MySQL commands:

Note that all text commands must be first on line and end with ';'

? (\?) Synonym for `help'.

clear (\c) Clear the current input statement.

connect (\r) Reconnect to the server. Optional arguments are db and host.

delimiter (\d) Set statement delimiter.

ego (\G) Send command to mysql server, display result vertically.

exit (\q) Exit mysql. Same as quit.

go (\g) Send command to mysql server.

help (\h) Display this help.

notee (\t) Don't write into outfile.

print (\p) Print current command.

prompt (\R) Change your mysql prompt.

quit (\q) Quit mysql.

rehash (\#) Rebuild completion hash.

source (\.) Execute an SQL script file. Takes a file name as an argument.

status (\s) Get status information from the server.

tee (\T) Set outfile [to\_outfile]. Append everything into given outfile.

use (\u) Use another database. Takes database name as argument.

charset (\C) Switch to another charset. Might be needed for processing binlog with multi-byte charsets.

warnings (\W) Show warnings after every statement.

nowarning (\w) Don't show warnings after every statement.

For server side help, type 'help contents'

mysql> # 2.b

mysql> SELECT NOW ();

ERROR 1305 (42000): FUNCTION NOW does not exist

mysql> SELECT NOW();

+---------------------+

| NOW() |

+---------------------+

| 2016-03-12 21:59:04 |

+---------------------+

1 row in set (0.01 sec)

mysql> # 2.c

mysql> SELECT NOW(),USER(),VERSION();

+---------------------+----------------+------------+

| NOW() | USER() | VERSION() |

+---------------------+----------------+------------+

| 2016-03-12 22:00:02 | root@localhost | 5.6.28-log |

+---------------------+----------------+------------+

1 row in set (0.01 sec)

mysql> SHOW DATABASES;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| baseball |

| devrystudent |

| kevins\_company |

| mysql |

| performance\_schema |

| sakila |

| test |

| world |

+--------------------+

9 rows in set (0.00 sec)

mysql> SELECT DATABASE();

+------------+

| DATABASE() |

+------------+

| NULL |

+------------+

1 row in set (0.00 sec)

mysql> # 3.a

mysql> CREATE DATABASE devrydbm438;

Query OK, 1 row affected (0.02 sec)

mysql> # 3.b

mysql> SHOW DATABASES;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| baseball |

| devrydbm438 |

| devrystudent |

| kevins\_company |

| mysql |

| performance\_schema |

| sakila |

| test |

| world |

+--------------------+

10 rows in set (0.00 sec)

mysql> SELECT DATABASE();

+------------+

| DATABASE() |

+------------+

| NULL |

+------------+

1 row in set (0.00 sec)

mysql> # 4.a

mysql> USE devrydbm438;

Database changed

mysql> # 4.b

mysql> SELECT DATABASE();

+-------------+

| DATABASE() |

+-------------+

| devrydbm438 |

+-------------+

1 row in set (0.00 sec)

mysql> # 5.a

mysql> SHOW CHARACTER SET;

+----------+-----------------------------+---------------------+--------+

| Charset | Description | Default collation | Maxlen |

+----------+-----------------------------+---------------------+--------+

| big5 | Big5 Traditional Chinese | big5\_chinese\_ci | 2 |

| dec8 | DEC West European | dec8\_swedish\_ci | 1 |

| cp850 | DOS West European | cp850\_general\_ci | 1 |

| hp8 | HP West European | hp8\_english\_ci | 1 |

| koi8r | KOI8-R Relcom Russian | koi8r\_general\_ci | 1 |

| latin1 | cp1252 West European | latin1\_swedish\_ci | 1 |

| latin2 | ISO 8859-2 Central European | latin2\_general\_ci | 1 |

| swe7 | 7bit Swedish | swe7\_swedish\_ci | 1 |

| ascii | US ASCII | ascii\_general\_ci | 1 |

| ujis | EUC-JP Japanese | ujis\_japanese\_ci | 3 |

| sjis | Shift-JIS Japanese | sjis\_japanese\_ci | 2 |

| hebrew | ISO 8859-8 Hebrew | hebrew\_general\_ci | 1 |

| tis620 | TIS620 Thai | tis620\_thai\_ci | 1 |

| euckr | EUC-KR Korean | euckr\_korean\_ci | 2 |

| koi8u | KOI8-U Ukrainian | koi8u\_general\_ci | 1 |

| gb2312 | GB2312 Simplified Chinese | gb2312\_chinese\_ci | 2 |

| greek | ISO 8859-7 Greek | greek\_general\_ci | 1 |

| cp1250 | Windows Central European | cp1250\_general\_ci | 1 |

| gbk | GBK Simplified Chinese | gbk\_chinese\_ci | 2 |

| latin5 | ISO 8859-9 Turkish | latin5\_turkish\_ci | 1 |

| armscii8 | ARMSCII-8 Armenian | armscii8\_general\_ci | 1 |

| utf8 | UTF-8 Unicode | utf8\_general\_ci | 3 |

| ucs2 | UCS-2 Unicode | ucs2\_general\_ci | 2 |

| cp866 | DOS Russian | cp866\_general\_ci | 1 |

| keybcs2 | DOS Kamenicky Czech-Slovak | keybcs2\_general\_ci | 1 |

| macce | Mac Central European | macce\_general\_ci | 1 |

| macroman | Mac West European | macroman\_general\_ci | 1 |

| cp852 | DOS Central European | cp852\_general\_ci | 1 |

| latin7 | ISO 8859-13 Baltic | latin7\_general\_ci | 1 |

| utf8mb4 | UTF-8 Unicode | utf8mb4\_general\_ci | 4 |

| cp1251 | Windows Cyrillic | cp1251\_general\_ci | 1 |

| utf16 | UTF-16 Unicode | utf16\_general\_ci | 4 |

| utf16le | UTF-16LE Unicode | utf16le\_general\_ci | 4 |

| cp1256 | Windows Arabic | cp1256\_general\_ci | 1 |

| cp1257 | Windows Baltic | cp1257\_general\_ci | 1 |

| utf32 | UTF-32 Unicode | utf32\_general\_ci | 4 |

| binary | Binary pseudo charset | binary | 1 |

| geostd8 | GEOSTD8 Georgian | geostd8\_general\_ci | 1 |

| cp932 | SJIS for Windows Japanese | cp932\_japanese\_ci | 2 |

| eucjpms | UJIS for Windows Japanese | eucjpms\_japanese\_ci | 3 |

+----------+-----------------------------+---------------------+--------+

40 rows in set (0.00 sec)

mysql> SHOW COLLATION;

+--------------------------+----------+-----+---------+----------+---------+

| Collation | Charset | Id | Default | Compiled | Sortlen |

+--------------------------+----------+-----+---------+----------+---------+

| big5\_chinese\_ci | big5 | 1 | Yes | Yes | 1 |

| big5\_bin | big5 | 84 | | Yes | 1 |

| dec8\_swedish\_ci | dec8 | 3 | Yes | Yes | 1 |

| dec8\_bin | dec8 | 69 | | Yes | 1 |

| cp850\_general\_ci | cp850 | 4 | Yes | Yes | 1 |

| cp850\_bin | cp850 | 80 | | Yes | 1 |

| hp8\_english\_ci | hp8 | 6 | Yes | Yes | 1 |

| hp8\_bin | hp8 | 72 | | Yes | 1 |

| koi8r\_general\_ci | koi8r | 7 | Yes | Yes | 1 |

| koi8r\_bin | koi8r | 74 | | Yes | 1 |

| latin1\_german1\_ci | latin1 | 5 | | Yes | 1 |

| latin1\_swedish\_ci | latin1 | 8 | Yes | Yes | 1 |

| latin1\_danish\_ci | latin1 | 15 | | Yes | 1 |

| latin1\_german2\_ci | latin1 | 31 | | Yes | 2 |

| latin1\_bin | latin1 | 47 | | Yes | 1 |

| latin1\_general\_ci | latin1 | 48 | | Yes | 1 |

| latin1\_general\_cs | latin1 | 49 | | Yes | 1 |

| latin1\_spanish\_ci | latin1 | 94 | | Yes | 1 |

| latin2\_czech\_cs | latin2 | 2 | | Yes | 4 |

| latin2\_general\_ci | latin2 | 9 | Yes | Yes | 1 |

| latin2\_hungarian\_ci | latin2 | 21 | | Yes | 1 |

| latin2\_croatian\_ci | latin2 | 27 | | Yes | 1 |

| latin2\_bin | latin2 | 77 | | Yes | 1 |

| swe7\_swedish\_ci | swe7 | 10 | Yes | Yes | 1 |

| swe7\_bin | swe7 | 82 | | Yes | 1 |

| ascii\_general\_ci | ascii | 11 | Yes | Yes | 1 |

| ascii\_bin | ascii | 65 | | Yes | 1 |

| ujis\_japanese\_ci | ujis | 12 | Yes | Yes | 1 |

| ujis\_bin | ujis | 91 | | Yes | 1 |

| sjis\_japanese\_ci | sjis | 13 | Yes | Yes | 1 |

| sjis\_bin | sjis | 88 | | Yes | 1 |

| hebrew\_general\_ci | hebrew | 16 | Yes | Yes | 1 |

| hebrew\_bin | hebrew | 71 | | Yes | 1 |

| tis620\_thai\_ci | tis620 | 18 | Yes | Yes | 4 |

| tis620\_bin | tis620 | 89 | | Yes | 1 |

| euckr\_korean\_ci | euckr | 19 | Yes | Yes | 1 |

| euckr\_bin | euckr | 85 | | Yes | 1 |

| koi8u\_general\_ci | koi8u | 22 | Yes | Yes | 1 |

| koi8u\_bin | koi8u | 75 | | Yes | 1 |

| gb2312\_chinese\_ci | gb2312 | 24 | Yes | Yes | 1 |

| gb2312\_bin | gb2312 | 86 | | Yes | 1 |

| greek\_general\_ci | greek | 25 | Yes | Yes | 1 |

| greek\_bin | greek | 70 | | Yes | 1 |

| cp1250\_general\_ci | cp1250 | 26 | Yes | Yes | 1 |

| cp1250\_czech\_cs | cp1250 | 34 | | Yes | 2 |

| cp1250\_croatian\_ci | cp1250 | 44 | | Yes | 1 |

| cp1250\_bin | cp1250 | 66 | | Yes | 1 |

| cp1250\_polish\_ci | cp1250 | 99 | | Yes | 1 |

| gbk\_chinese\_ci | gbk | 28 | Yes | Yes | 1 |

| gbk\_bin | gbk | 87 | | Yes | 1 |

| latin5\_turkish\_ci | latin5 | 30 | Yes | Yes | 1 |

| latin5\_bin | latin5 | 78 | | Yes | 1 |

| armscii8\_general\_ci | armscii8 | 32 | Yes | Yes | 1 |

| armscii8\_bin | armscii8 | 64 | | Yes | 1 |

| utf8\_general\_ci | utf8 | 33 | Yes | Yes | 1 |

| utf8\_bin | utf8 | 83 | | Yes | 1 |

| utf8\_unicode\_ci | utf8 | 192 | | Yes | 8 |

| utf8\_icelandic\_ci | utf8 | 193 | | Yes | 8 |

| utf8\_latvian\_ci | utf8 | 194 | | Yes | 8 |

| utf8\_romanian\_ci | utf8 | 195 | | Yes | 8 |

| utf8\_slovenian\_ci | utf8 | 196 | | Yes | 8 |

| utf8\_polish\_ci | utf8 | 197 | | Yes | 8 |

| utf8\_estonian\_ci | utf8 | 198 | | Yes | 8 |

| utf8\_spanish\_ci | utf8 | 199 | | Yes | 8 |

| utf8\_swedish\_ci | utf8 | 200 | | Yes | 8 |

| utf8\_turkish\_ci | utf8 | 201 | | Yes | 8 |

| utf8\_czech\_ci | utf8 | 202 | | Yes | 8 |

| utf8\_danish\_ci | utf8 | 203 | | Yes | 8 |

| utf8\_lithuanian\_ci | utf8 | 204 | | Yes | 8 |

| utf8\_slovak\_ci | utf8 | 205 | | Yes | 8 |

| utf8\_spanish2\_ci | utf8 | 206 | | Yes | 8 |

| utf8\_roman\_ci | utf8 | 207 | | Yes | 8 |

| utf8\_persian\_ci | utf8 | 208 | | Yes | 8 |

| utf8\_esperanto\_ci | utf8 | 209 | | Yes | 8 |

| utf8\_hungarian\_ci | utf8 | 210 | | Yes | 8 |

| utf8\_sinhala\_ci | utf8 | 211 | | Yes | 8 |

| utf8\_german2\_ci | utf8 | 212 | | Yes | 8 |

| utf8\_croatian\_ci | utf8 | 213 | | Yes | 8 |

| utf8\_unicode\_520\_ci | utf8 | 214 | | Yes | 8 |

| utf8\_vietnamese\_ci | utf8 | 215 | | Yes | 8 |

| utf8\_general\_mysql500\_ci | utf8 | 223 | | Yes | 1 |

| ucs2\_general\_ci | ucs2 | 35 | Yes | Yes | 1 |

| ucs2\_bin | ucs2 | 90 | | Yes | 1 |

| ucs2\_unicode\_ci | ucs2 | 128 | | Yes | 8 |

| ucs2\_icelandic\_ci | ucs2 | 129 | | Yes | 8 |

| ucs2\_latvian\_ci | ucs2 | 130 | | Yes | 8 |

| ucs2\_romanian\_ci | ucs2 | 131 | | Yes | 8 |

| ucs2\_slovenian\_ci | ucs2 | 132 | | Yes | 8 |

| ucs2\_polish\_ci | ucs2 | 133 | | Yes | 8 |

| ucs2\_estonian\_ci | ucs2 | 134 | | Yes | 8 |

| ucs2\_spanish\_ci | ucs2 | 135 | | Yes | 8 |

| ucs2\_swedish\_ci | ucs2 | 136 | | Yes | 8 |

| ucs2\_turkish\_ci | ucs2 | 137 | | Yes | 8 |

| ucs2\_czech\_ci | ucs2 | 138 | | Yes | 8 |

| ucs2\_danish\_ci | ucs2 | 139 | | Yes | 8 |

| ucs2\_lithuanian\_ci | ucs2 | 140 | | Yes | 8 |

| ucs2\_slovak\_ci | ucs2 | 141 | | Yes | 8 |

| ucs2\_spanish2\_ci | ucs2 | 142 | | Yes | 8 |

| ucs2\_roman\_ci | ucs2 | 143 | | Yes | 8 |

| ucs2\_persian\_ci | ucs2 | 144 | | Yes | 8 |

| ucs2\_esperanto\_ci | ucs2 | 145 | | Yes | 8 |

| ucs2\_hungarian\_ci | ucs2 | 146 | | Yes | 8 |

| ucs2\_sinhala\_ci | ucs2 | 147 | | Yes | 8 |

| ucs2\_german2\_ci | ucs2 | 148 | | Yes | 8 |

| ucs2\_croatian\_ci | ucs2 | 149 | | Yes | 8 |

| ucs2\_unicode\_520\_ci | ucs2 | 150 | | Yes | 8 |

| ucs2\_vietnamese\_ci | ucs2 | 151 | | Yes | 8 |

| ucs2\_general\_mysql500\_ci | ucs2 | 159 | | Yes | 1 |

| cp866\_general\_ci | cp866 | 36 | Yes | Yes | 1 |

| cp866\_bin | cp866 | 68 | | Yes | 1 |

| keybcs2\_general\_ci | keybcs2 | 37 | Yes | Yes | 1 |

| keybcs2\_bin | keybcs2 | 73 | | Yes | 1 |

| macce\_general\_ci | macce | 38 | Yes | Yes | 1 |

| macce\_bin | macce | 43 | | Yes | 1 |

| macroman\_general\_ci | macroman | 39 | Yes | Yes | 1 |

| macroman\_bin | macroman | 53 | | Yes | 1 |

| cp852\_general\_ci | cp852 | 40 | Yes | Yes | 1 |

| cp852\_bin | cp852 | 81 | | Yes | 1 |

| latin7\_estonian\_cs | latin7 | 20 | | Yes | 1 |

| latin7\_general\_ci | latin7 | 41 | Yes | Yes | 1 |

| latin7\_general\_cs | latin7 | 42 | | Yes | 1 |

| latin7\_bin | latin7 | 79 | | Yes | 1 |

| utf8mb4\_general\_ci | utf8mb4 | 45 | Yes | Yes | 1 |

| utf8mb4\_bin | utf8mb4 | 46 | | Yes | 1 |

| utf8mb4\_unicode\_ci | utf8mb4 | 224 | | Yes | 8 |

| utf8mb4\_icelandic\_ci | utf8mb4 | 225 | | Yes | 8 |

| utf8mb4\_latvian\_ci | utf8mb4 | 226 | | Yes | 8 |

| utf8mb4\_romanian\_ci | utf8mb4 | 227 | | Yes | 8 |

| utf8mb4\_slovenian\_ci | utf8mb4 | 228 | | Yes | 8 |

| utf8mb4\_polish\_ci | utf8mb4 | 229 | | Yes | 8 |

| utf8mb4\_estonian\_ci | utf8mb4 | 230 | | Yes | 8 |

| utf8mb4\_spanish\_ci | utf8mb4 | 231 | | Yes | 8 |

| utf8mb4\_swedish\_ci | utf8mb4 | 232 | | Yes | 8 |

| utf8mb4\_turkish\_ci | utf8mb4 | 233 | | Yes | 8 |

| utf8mb4\_czech\_ci | utf8mb4 | 234 | | Yes | 8 |

| utf8mb4\_danish\_ci | utf8mb4 | 235 | | Yes | 8 |

| utf8mb4\_lithuanian\_ci | utf8mb4 | 236 | | Yes | 8 |

| utf8mb4\_slovak\_ci | utf8mb4 | 237 | | Yes | 8 |

| utf8mb4\_spanish2\_ci | utf8mb4 | 238 | | Yes | 8 |

| utf8mb4\_roman\_ci | utf8mb4 | 239 | | Yes | 8 |

| utf8mb4\_persian\_ci | utf8mb4 | 240 | | Yes | 8 |

| utf8mb4\_esperanto\_ci | utf8mb4 | 241 | | Yes | 8 |

| utf8mb4\_hungarian\_ci | utf8mb4 | 242 | | Yes | 8 |

| utf8mb4\_sinhala\_ci | utf8mb4 | 243 | | Yes | 8 |

| utf8mb4\_german2\_ci | utf8mb4 | 244 | | Yes | 8 |

| utf8mb4\_croatian\_ci | utf8mb4 | 245 | | Yes | 8 |

| utf8mb4\_unicode\_520\_ci | utf8mb4 | 246 | | Yes | 8 |

| utf8mb4\_vietnamese\_ci | utf8mb4 | 247 | | Yes | 8 |

| cp1251\_bulgarian\_ci | cp1251 | 14 | | Yes | 1 |

| cp1251\_ukrainian\_ci | cp1251 | 23 | | Yes | 1 |

| cp1251\_bin | cp1251 | 50 | | Yes | 1 |

| cp1251\_general\_ci | cp1251 | 51 | Yes | Yes | 1 |

| cp1251\_general\_cs | cp1251 | 52 | | Yes | 1 |

| utf16\_general\_ci | utf16 | 54 | Yes | Yes | 1 |

| utf16\_bin | utf16 | 55 | | Yes | 1 |

| utf16\_unicode\_ci | utf16 | 101 | | Yes | 8 |

| utf16\_icelandic\_ci | utf16 | 102 | | Yes | 8 |

| utf16\_latvian\_ci | utf16 | 103 | | Yes | 8 |

| utf16\_romanian\_ci | utf16 | 104 | | Yes | 8 |

| utf16\_slovenian\_ci | utf16 | 105 | | Yes | 8 |

| utf16\_polish\_ci | utf16 | 106 | | Yes | 8 |

| utf16\_estonian\_ci | utf16 | 107 | | Yes | 8 |

| utf16\_spanish\_ci | utf16 | 108 | | Yes | 8 |

| utf16\_swedish\_ci | utf16 | 109 | | Yes | 8 |

| utf16\_turkish\_ci | utf16 | 110 | | Yes | 8 |

| utf16\_czech\_ci | utf16 | 111 | | Yes | 8 |

| utf16\_danish\_ci | utf16 | 112 | | Yes | 8 |

| utf16\_lithuanian\_ci | utf16 | 113 | | Yes | 8 |

| utf16\_slovak\_ci | utf16 | 114 | | Yes | 8 |

| utf16\_spanish2\_ci | utf16 | 115 | | Yes | 8 |

| utf16\_roman\_ci | utf16 | 116 | | Yes | 8 |

| utf16\_persian\_ci | utf16 | 117 | | Yes | 8 |

| utf16\_esperanto\_ci | utf16 | 118 | | Yes | 8 |

| utf16\_hungarian\_ci | utf16 | 119 | | Yes | 8 |

| utf16\_sinhala\_ci | utf16 | 120 | | Yes | 8 |

| utf16\_german2\_ci | utf16 | 121 | | Yes | 8 |

| utf16\_croatian\_ci | utf16 | 122 | | Yes | 8 |

| utf16\_unicode\_520\_ci | utf16 | 123 | | Yes | 8 |

| utf16\_vietnamese\_ci | utf16 | 124 | | Yes | 8 |

| utf16le\_general\_ci | utf16le | 56 | Yes | Yes | 1 |

| utf16le\_bin | utf16le | 62 | | Yes | 1 |

| cp1256\_general\_ci | cp1256 | 57 | Yes | Yes | 1 |

| cp1256\_bin | cp1256 | 67 | | Yes | 1 |

| cp1257\_lithuanian\_ci | cp1257 | 29 | | Yes | 1 |

| cp1257\_bin | cp1257 | 58 | | Yes | 1 |

| cp1257\_general\_ci | cp1257 | 59 | Yes | Yes | 1 |

| utf32\_general\_ci | utf32 | 60 | Yes | Yes | 1 |

| utf32\_bin | utf32 | 61 | | Yes | 1 |

| utf32\_unicode\_ci | utf32 | 160 | | Yes | 8 |

| utf32\_icelandic\_ci | utf32 | 161 | | Yes | 8 |

| utf32\_latvian\_ci | utf32 | 162 | | Yes | 8 |

| utf32\_romanian\_ci | utf32 | 163 | | Yes | 8 |

| utf32\_slovenian\_ci | utf32 | 164 | | Yes | 8 |

| utf32\_polish\_ci | utf32 | 165 | | Yes | 8 |

| utf32\_estonian\_ci | utf32 | 166 | | Yes | 8 |

| utf32\_spanish\_ci | utf32 | 167 | | Yes | 8 |

| utf32\_swedish\_ci | utf32 | 168 | | Yes | 8 |

| utf32\_turkish\_ci | utf32 | 169 | | Yes | 8 |

| utf32\_czech\_ci | utf32 | 170 | | Yes | 8 |

| utf32\_danish\_ci | utf32 | 171 | | Yes | 8 |

| utf32\_lithuanian\_ci | utf32 | 172 | | Yes | 8 |

| utf32\_slovak\_ci | utf32 | 173 | | Yes | 8 |

| utf32\_spanish2\_ci | utf32 | 174 | | Yes | 8 |

| utf32\_roman\_ci | utf32 | 175 | | Yes | 8 |

| utf32\_persian\_ci | utf32 | 176 | | Yes | 8 |

| utf32\_esperanto\_ci | utf32 | 177 | | Yes | 8 |

| utf32\_hungarian\_ci | utf32 | 178 | | Yes | 8 |

| utf32\_sinhala\_ci | utf32 | 179 | | Yes | 8 |

| utf32\_german2\_ci | utf32 | 180 | | Yes | 8 |

| utf32\_croatian\_ci | utf32 | 181 | | Yes | 8 |

| utf32\_unicode\_520\_ci | utf32 | 182 | | Yes | 8 |

| utf32\_vietnamese\_ci | utf32 | 183 | | Yes | 8 |

| binary | binary | 63 | Yes | Yes | 1 |

| geostd8\_general\_ci | geostd8 | 92 | Yes | Yes | 1 |

| geostd8\_bin | geostd8 | 93 | | Yes | 1 |

| cp932\_japanese\_ci | cp932 | 95 | Yes | Yes | 1 |

| cp932\_bin | cp932 | 96 | | Yes | 1 |

| eucjpms\_japanese\_ci | eucjpms | 97 | Yes | Yes | 1 |

| eucjpms\_bin | eucjpms | 98 | | Yes | 1 |

+--------------------------+----------+-----+---------+----------+---------+

219 rows in set (0.00 sec)

mysql> # 6.a

mysql> SHOW ENGINE;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1

mysql> SHOW ENGINES;

+--------------------+---------+----------------------------------------------------------------+--------------+------+------------+

| Engine | Support | Comment | Transactions | XA | Savepoints |

+--------------------+---------+----------------------------------------------------------------+--------------+------+------------+

| FEDERATED | NO | Federated MySQL storage engine | NULL | NULL | NULL |

| MRG\_MYISAM | YES | Collection of identical MyISAM tables | NO | NO | NO |

| MyISAM | YES | MyISAM storage engine | NO | NO | NO |

| BLACKHOLE | YES | /dev/null storage engine (anything you write to it disappears) | NO | NO | NO |

| CSV | YES | CSV storage engine | NO | NO | NO |

| MEMORY | YES | Hash based, stored in memory, useful for temporary tables | NO | NO | NO |

| ARCHIVE | YES | Archive storage engine | NO | NO | NO |

| InnoDB | DEFAULT | Supports transactions, row-level locking, and foreign keys | YES | YES | YES |

| PERFORMANCE\_SCHEMA | YES | Performance Schema | NO | NO | NO |

+--------------------+---------+----------------------------------------------------------------+--------------+------+------------+

9 rows in set (0.00 sec)

mysql> # 7.a

mysql> SHOW TABLES IN INFORMATION\_SCHEMA;

+---------------------------------------+

| Tables\_in\_information\_schema |

+---------------------------------------+

| CHARACTER\_SETS |

| COLLATIONS |

| COLLATION\_CHARACTER\_SET\_APPLICABILITY |

| COLUMNS |

| COLUMN\_PRIVILEGES |

| ENGINES |

| EVENTS |

| FILES |

| GLOBAL\_STATUS |

| GLOBAL\_VARIABLES |

| KEY\_COLUMN\_USAGE |

| OPTIMIZER\_TRACE |

| PARAMETERS |

| PARTITIONS |

| PLUGINS |

| PROCESSLIST |

| PROFILING |

| REFERENTIAL\_CONSTRAINTS |

| ROUTINES |

| SCHEMATA |

| SCHEMA\_PRIVILEGES |

| SESSION\_STATUS |

| SESSION\_VARIABLES |

| STATISTICS |

| TABLES |

| TABLESPACES |

| TABLE\_CONSTRAINTS |

| TABLE\_PRIVILEGES |

| TRIGGERS |

| USER\_PRIVILEGES |

| VIEWS |

| INNODB\_LOCKS |

| INNODB\_TRX |

| INNODB\_SYS\_DATAFILES |

| INNODB\_LOCK\_WAITS |

| INNODB\_SYS\_TABLESTATS |

| INNODB\_CMP |

| INNODB\_METRICS |

| INNODB\_CMP\_RESET |

| INNODB\_CMP\_PER\_INDEX |

| INNODB\_CMPMEM\_RESET |

| INNODB\_FT\_DELETED |

| INNODB\_BUFFER\_PAGE\_LRU |

| INNODB\_SYS\_FOREIGN |

| INNODB\_SYS\_COLUMNS |

| INNODB\_SYS\_INDEXES |

| INNODB\_FT\_DEFAULT\_STOPWORD |

| INNODB\_SYS\_FIELDS |

| INNODB\_CMP\_PER\_INDEX\_RESET |

| INNODB\_BUFFER\_PAGE |

| INNODB\_CMPMEM |

| INNODB\_FT\_INDEX\_TABLE |

| INNODB\_FT\_BEING\_DELETED |

| INNODB\_SYS\_TABLESPACES |

| INNODB\_FT\_INDEX\_CACHE |

| INNODB\_SYS\_FOREIGN\_COLS |

| INNODB\_SYS\_TABLES |

| INNODB\_BUFFER\_POOL\_STATS |

| INNODB\_FT\_CONFIG |

+---------------------------------------+

59 rows in set (0.00 sec)

mysql> DESC INFORMATION\_SCHEMA.FILES;

+----------------------+---------------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------------+---------------------+------+-----+---------+-------+

| FILE\_ID | bigint(4) | NO | | 0 | |

| FILE\_NAME | varchar(64) | YES | | NULL | |

| FILE\_TYPE | varchar(20) | NO | | | |

| TABLESPACE\_NAME | varchar(64) | YES | | NULL | |

| TABLE\_CATALOG | varchar(64) | NO | | | |

| TABLE\_SCHEMA | varchar(64) | YES | | NULL | |

| TABLE\_NAME | varchar(64) | YES | | NULL | |

| LOGFILE\_GROUP\_NAME | varchar(64) | YES | | NULL | |

| LOGFILE\_GROUP\_NUMBER | bigint(4) | YES | | NULL | |

| ENGINE | varchar(64) | NO | | | |

| FULLTEXT\_KEYS | varchar(64) | YES | | NULL | |

| DELETED\_ROWS | bigint(4) | YES | | NULL | |

| UPDATE\_COUNT | bigint(4) | YES | | NULL | |

| FREE\_EXTENTS | bigint(4) | YES | | NULL | |

| TOTAL\_EXTENTS | bigint(4) | YES | | NULL | |

| EXTENT\_SIZE | bigint(4) | NO | | 0 | |

| INITIAL\_SIZE | bigint(21) unsigned | YES | | NULL | |

| MAXIMUM\_SIZE | bigint(21) unsigned | YES | | NULL | |

| AUTOEXTEND\_SIZE | bigint(21) unsigned | YES | | NULL | |

| CREATION\_TIME | datetime | YES | | NULL | |

| LAST\_UPDATE\_TIME | datetime | YES | | NULL | |

| LAST\_ACCESS\_TIME | datetime | YES | | NULL | |

| RECOVER\_TIME | bigint(4) | YES | | NULL | |

| TRANSACTION\_COUNTER | bigint(4) | YES | | NULL | |

| VERSION | bigint(21) unsigned | YES | | NULL | |

| ROW\_FORMAT | varchar(10) | YES | | NULL | |

| TABLE\_ROWS | bigint(21) unsigned | YES | | NULL | |

| AVG\_ROW\_LENGTH | bigint(21) unsigned | YES | | NULL | |

| DATA\_LENGTH | bigint(21) unsigned | YES | | NULL | |

| MAX\_DATA\_LENGTH | bigint(21) unsigned | YES | | NULL | |

| INDEX\_LENGTH | bigint(21) unsigned | YES | | NULL | |

| DATA\_FREE | bigint(21) unsigned | YES | | NULL | |

| CREATE\_TIME | datetime | YES | | NULL | |

| UPDATE\_TIME | datetime | YES | | NULL | |

| CHECK\_TIME | datetime | YES | | NULL | |

| CHECKSUM | bigint(21) unsigned | YES | | NULL | |

| STATUS | varchar(20) | NO | | | |

| EXTRA | varchar(255) | YES | | NULL | |

+----------------------+---------------------+------+-----+---------+-------+

38 rows in set (0.01 sec)

mysql> # 8.a

mysql> NOTEE

***Conclusions:***

The lab was very straight forward and very informative. The live lecture was extremely helpful with Professor Wang walking through it step by step and giving us an explanation WHY and helping us understand. I feel comfortable with the server environment and being able to create a new database.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Student:*** | KEVIN NGUYEN |  | WK2 |  | KN |
|  | Name |  | Program |  | Signature |