Most Basic Steps in Using MySQL

1. Download and install MySQL server
    Download URL: http://www.mysql.com/downloads/mysql/
    Install MySQL server on your computer
2. Run MySQL console
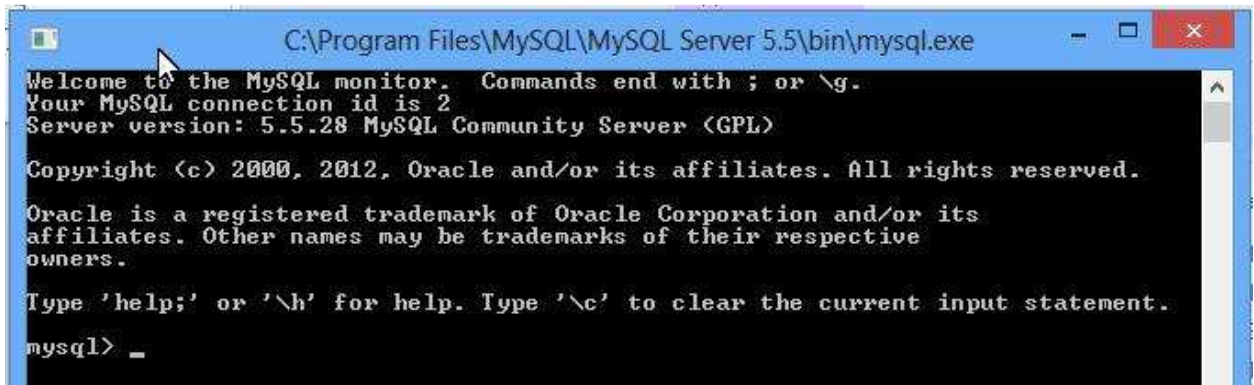   Suppose we installed MySQL server on the Windows computer.
    MySQL console is a program named mysql.exe. You may find it under the bin folder of your
    MySQL installation folder. For example,
    C:\Program Files\MySQL\MySQL Server 5.5\bin\mysql.exe
    You may also run it with user name and password. Suppose user name is root and password is
    123 then the command line can be:
    "C:\Program Files\MySQL\MySQL Server 5.5\bin\mysql.exe" -uroot -p123
    A sample console screenshot is shown below:

3. Create a new database
    The command is: create database {database name};
    For example, create database mydb1;

4. Switch to database
    The command is: use {database name};
    For example, use mydb1;

5. Show all tables

    The command is: show tables;

    It shows empty because we just create this database.

6. Create new tables

    Let's copy into the console the following SQL script for creating a table:

    CREATE TABLE testtable (

        TestID INT NOT NULL AUTO_INCREMENT,

        Field1 CHAR(60) NOT NULL,

        Field2 INT NULL,

        Field3 DATETIME NULL,

        Field4 DECIMAL(10,2) NULL,

        Field5 TEXT NULL,

        PRIMARY KEY (TestID)

    );

    Press {Enter} key if the console stops at the ";" symbol. The console will execute the script and report the result, as shown below:

C:\Program Files\MySQL\MySQL Server 5.5\bin\mysql.exe

```
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.5.28 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database mydb1;
Query OK, 1 row affected (0.00 sec)

mysql> use mydb1;
Database changed
mysql> show tables;
Empty set (0.02 sec)

mysql>
```
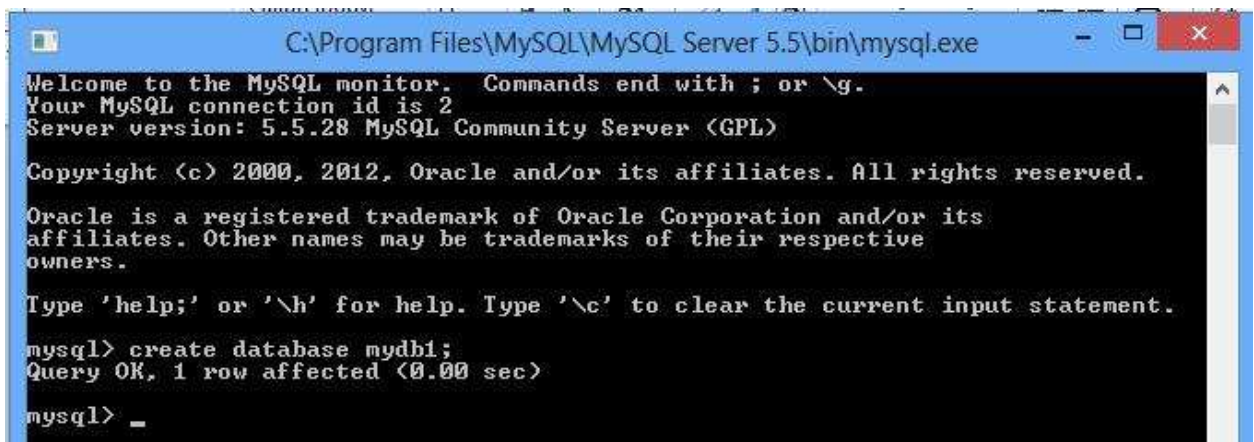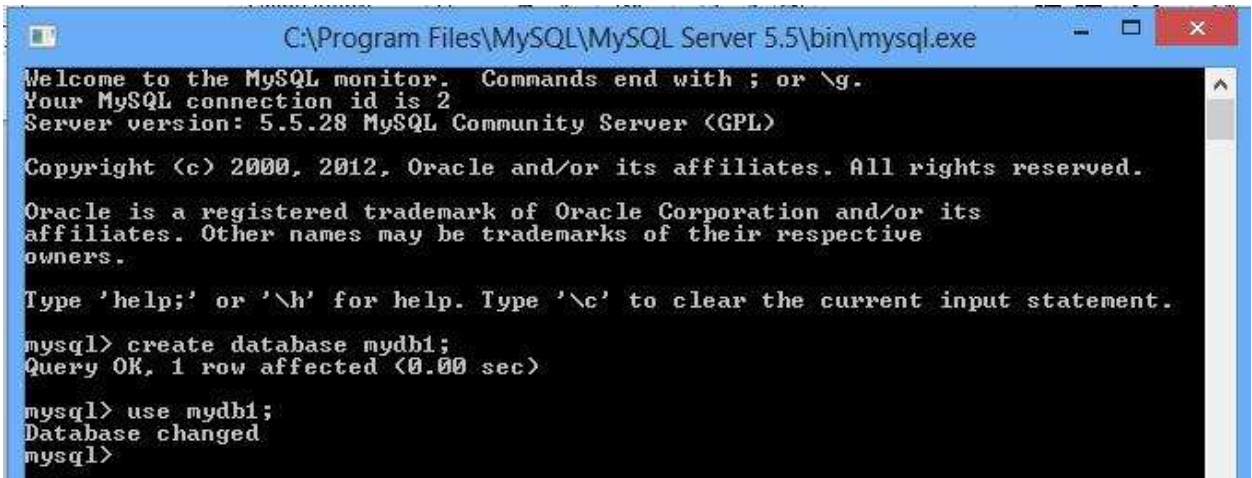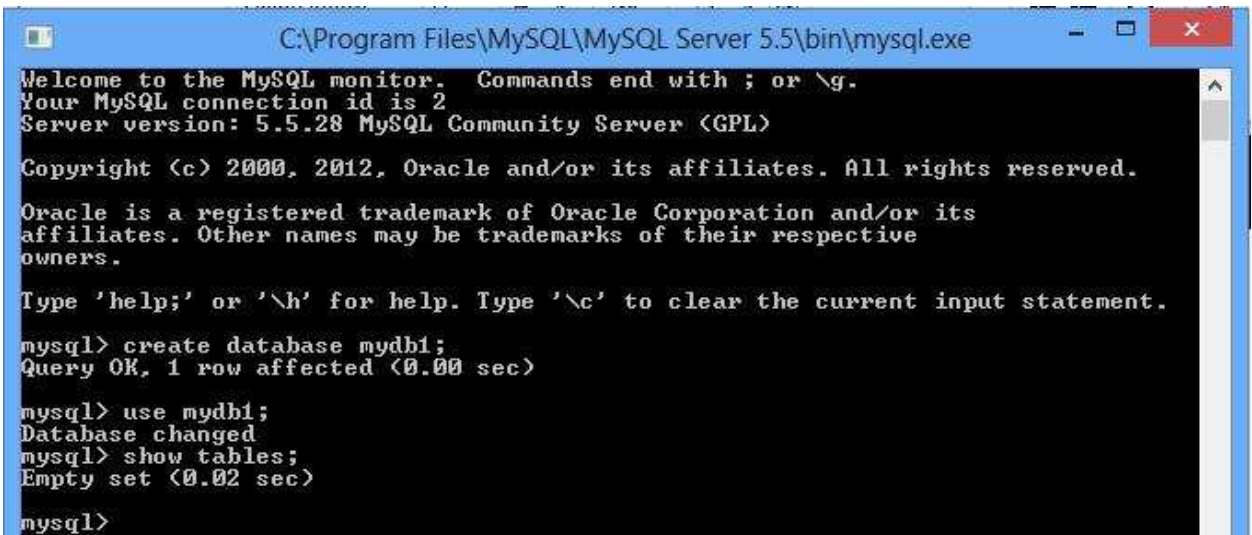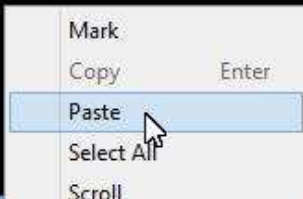
Mark
Copy   Enter
Paste
Select All
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C:\Program Files\MySQL\MySQL Server 5.5\bin\mysql.exe

```
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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database mydb1;
Query OK, 1 row affected (0.00 sec)

mysql> use mydb1;
Database changed
mysql> show tables;
Empty set (0.02 sec)

mysql> CREATE TABLE testtable (
    ->       TestID INT NOT NULL AUTO_INCREMENT,
    ->       Field1 CHAR(60) NOT NULL,
    ->       Field2 INT NULL,
    ->       Field3 DATETIME NULL,
    ->       Field4 DECIMAL(10,2) NULL,
    ->       Field5 TEXT NULL,
    ->       PRIMARY KEY (TestID)
    -> );
Query OK, 0 rows affected (0.03 sec)

mysql>
```

If we run "show tables;" then we can see the new table is listed:

7. Show columns

The command is: show columns from {table name};

For example, show columns from testable;

8. Show data

We may run all valid SQL scripts in the console. For example, use a SELECT query to get data:

```
C:\Program Files\MySQL\MySQL Server 5.5\bin\mysql.exe                    _  □  ×

mysql> show tables;
+----------------+
| Tables_in_mydb1 |
+----------------+
| testtable      |
+----------------+
1 row in set (0.00 sec)

mysql> show columns from testtable;
+--------+-------------+------+-----+---------+----------------+
| Field  | Type        | Null | Key | Default | Extra          |
+--------+-------------+------+-----+---------+----------------+
| TestID | int(11)     | NO   | PRI | NULL    | auto_increment |
| Field1 | char(60)    | NO   |     | NULL    |                |
| Field2 | int(11)     | YES  |     | NULL    |                |
| Field3 | datetime    | YES  |     | NULL    |                |
| Field4 | decimal(10,2) | YES |     | NULL    |                |
| Field5 | text        | YES  |     | NULL    |                |
+--------+-------------+------+-----+---------+----------------+
6 rows in set (0.03 sec)

mysql> select * from testtable;
Empty set (0.00 sec)

mysql>
```