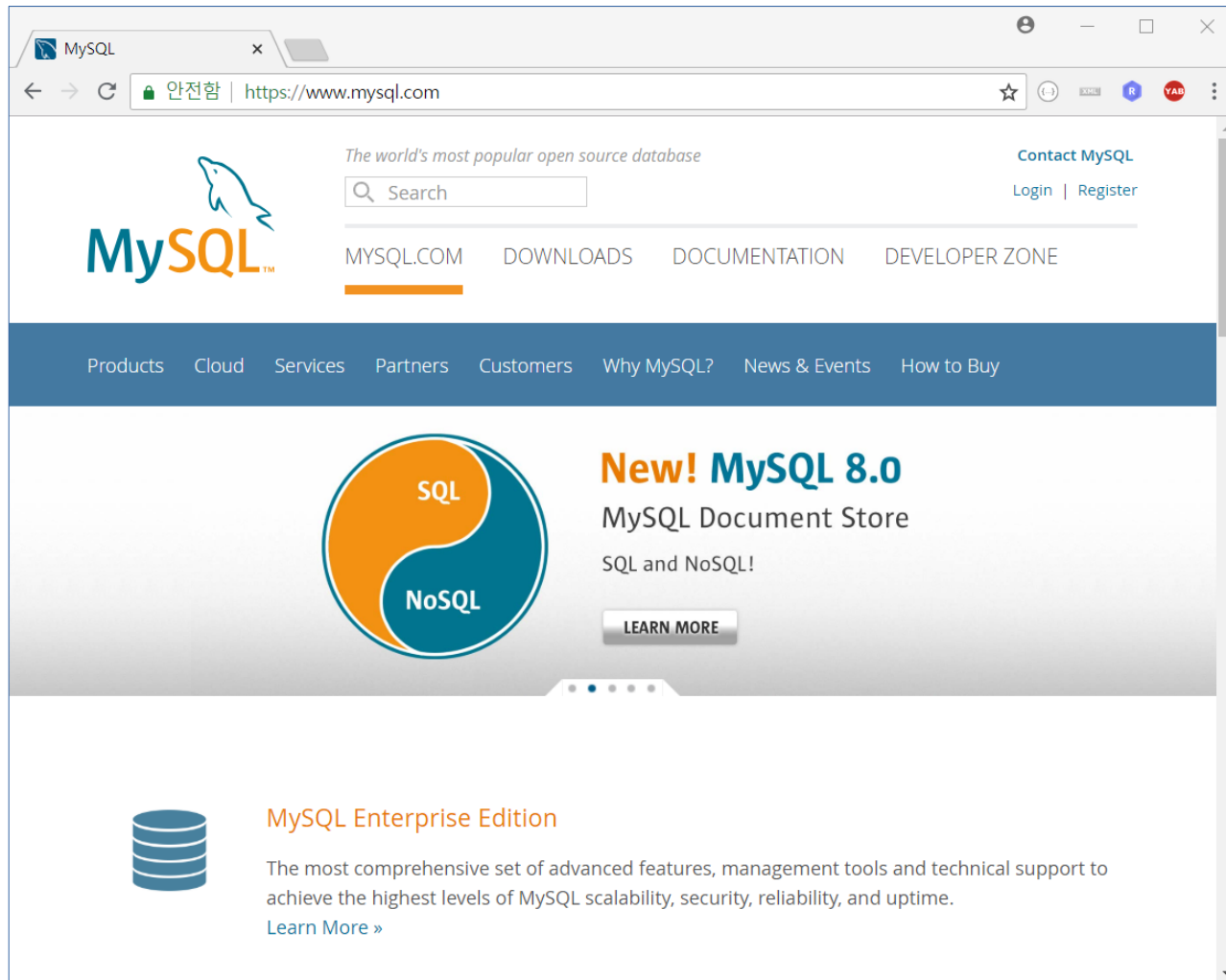


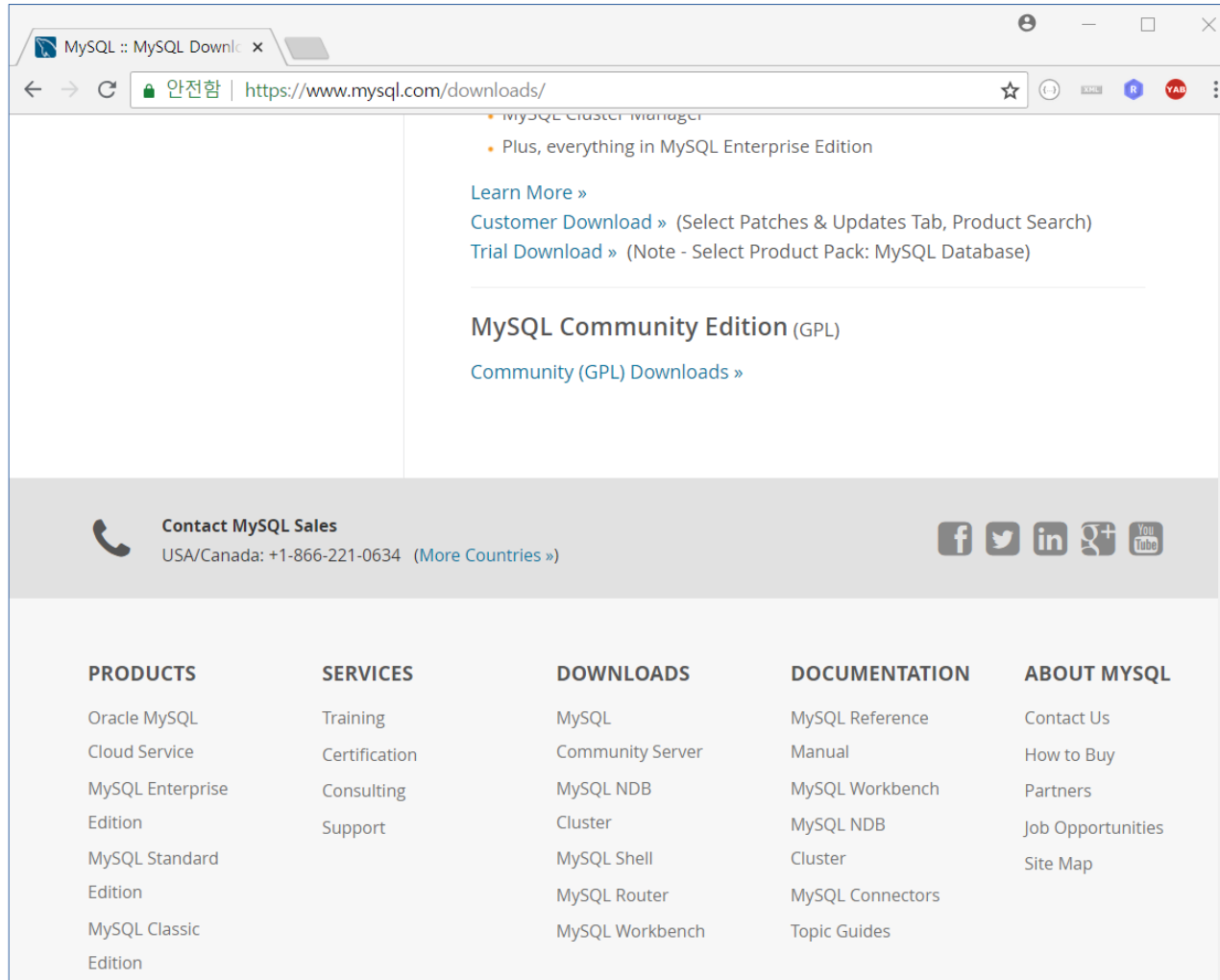
■ MySQL 설치

● mysql 공식 사이트 접속 - DOWNLOADS



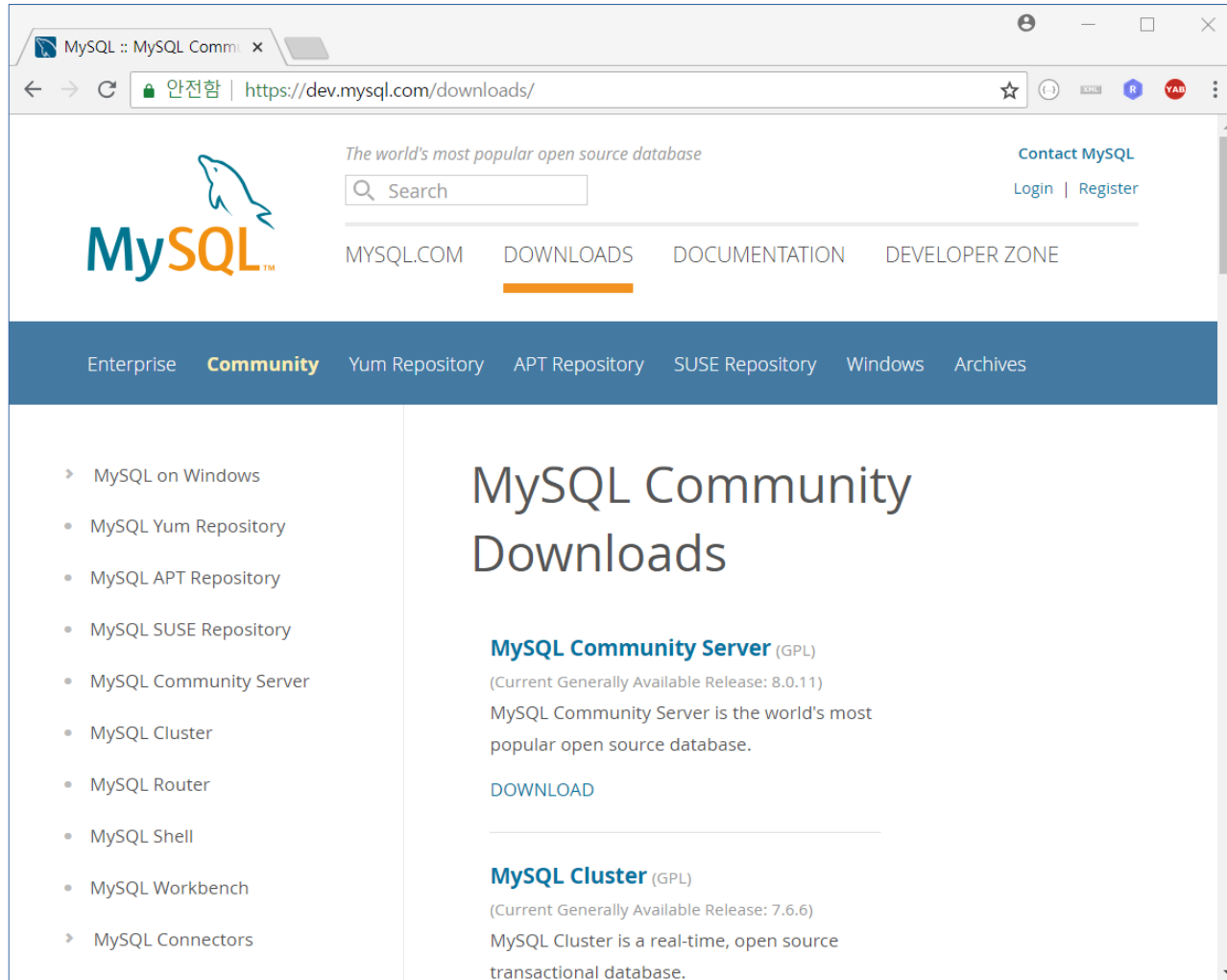
■ MySQL 설치

● MySQL Community Edition (GPL)



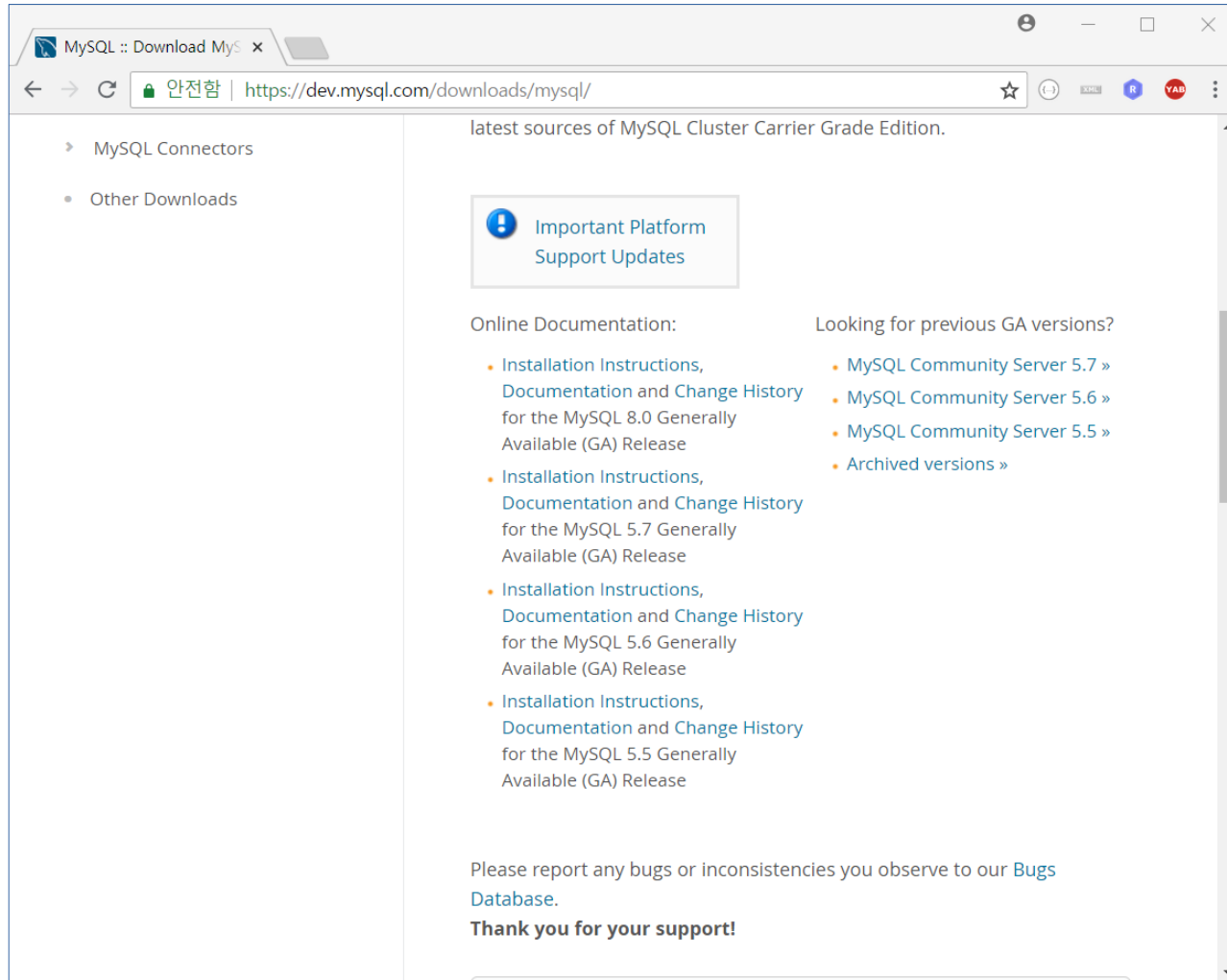
■ MySQL 설치

● MySQL Community Server



■ MySQL 설치

● MySQL Community Server 5.7



■ MySQL 설치

● Windows (x86, 64-bit), ZIP Archive Downloads

The screenshot shows the MySQL download page for Windows (x86, 64-bit) ZIP Archive Downloads. The page is titled "MySQL :: Download MySQL" and the URL is "https://dev.mysql.com/downloads/mysql/5.7.html#downloads". The page features a dropdown menu for the version (5.7.22), a "Select Operating System" dropdown (Microsoft Windows), and a "Select OS Version" dropdown (All). Below these, there is a "Recommended Download" section with a graphic for "MySQL Installer for Windows" and a link to "Go to Download Page". The "Other Downloads" section lists two options: "Windows (x86, 32-bit), ZIP Archive" and "Windows (x86, 64-bit), ZIP Archive". Each option includes the version (5.7.22), the file size (308.8M and 321.3M respectively), a "Download" button, and the MD5 hash and signature link.

MySQL :: Download MySQL x

← → ↻ 안전함 | https://dev.mysql.com/downloads/mysql/5.7.html#downloads ☆ (1) XHR R YAB ⋮

5.7.22 ▼

Select Operating System:

Microsoft Windows ▼

Select OS Version:

All ▼

Recommended Download:

MySQL Installer
for Windows

All MySQL Products. For All Windows Platforms.
In One Package.

Starting with MySQL 5.6 the MySQL installer package replaces the standalone MSI packages.

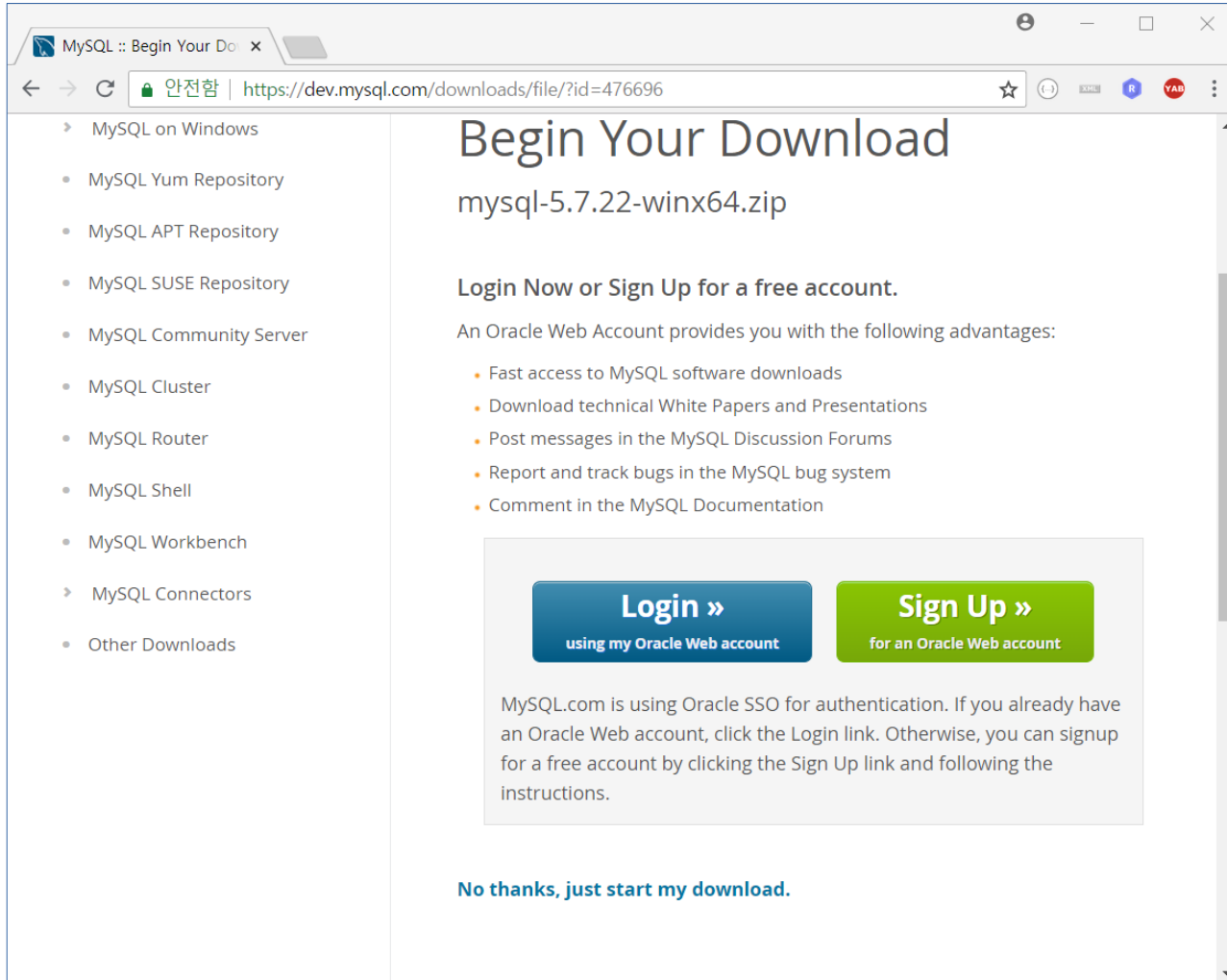
Windows (x86, 32 & 64-bit), MySQL Installer MSI [Go to Download Page >](#)

Other Downloads:

Windows (x86, 32-bit), ZIP Archive (mysql-5.7.22-win32.zip)	5.7.22	308.8M	Download	MD5: 45c51d6104fc9d08b2b9a338da5ac7fa Signature
Windows (x86, 64-bit), ZIP Archive (mysql-5.7.22-winx64.zip)	5.7.22	321.3M	Download	MD5: 5564c05cdaab25ffdb57144c5b3443a Signature

■ MySQL 설치

● download



■ MySQL 설치

● 압축 해제

> 내 PC > 로컬 디스크 (D:) > dev > mysql-5.7.22-winx64

이름

수정한 날짜

유형

크기

bin

docs

include

lib

share

COPYING

README

2018-06-11 오전 10:39

2018-06-11 오전 10:39

2018-06-11 오전 10:39

2018-06-11 오전 10:39

2018-06-11 오전 10:39

2018-03-04 오후 2:40

2018-03-04 오후 2:40

파일 폴더

파일 폴더

파일 폴더

파일 폴더

파일 폴더

파일

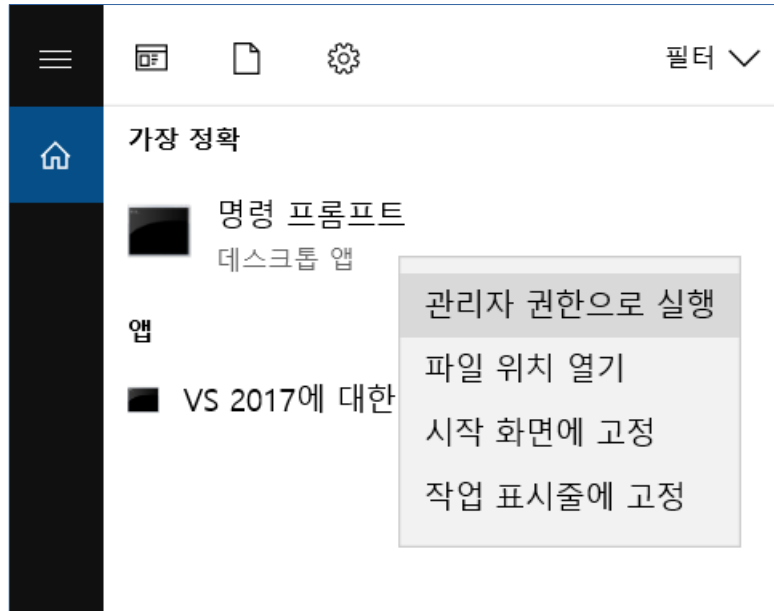
파일

18KB

3KB

■ MySQL 기본 설정

● 관리자 권한으로 명령 프롬프트 실행



```
관리자: 명령 프롬프트
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Windows\system32>d:

D:\>cd dev

D:\dev>cd mysql-5.7.22-win64

D:\dev\mysql-5.7.22-win64>cd bin

D:\dev\mysql-5.7.22-win64\bin>
```


■ MySQL 기본 설정

● System DB 생성 (초기화)

– mysqld.exe --initialize

```
관리자: 명령 프롬프트

D:\dev\mysql-5.7.22-winx64\bin>mysqld.exe --initialize

D:\dev\mysql-5.7.22-winx64\bin>
```

● data 폴더 생성 확인

내 PC > 로컬 디스크 (D:) > dev > mysql-5.7.22-winx64			
이름	수정한 날짜	유형	크기
bin	2018-06-11 오전 10:39	파일 폴더	
data	2018-06-11 오후 3:11	파일 폴더	
docs	2018-06-11 오전 10:39	파일 폴더	
include	2018-06-11 오전 10:39	파일 폴더	
lib	2018-06-11 오전 10:39	파일 폴더	
share	2018-06-11 오전 10:39	파일 폴더	
COPYING	2018-03-04 오후 2:40	파일	18KB
README	2018-03-04 오후 2:40	파일	3KB

■ root (관리자) 계정 암호 생성

● 권한과 관계없이 mysql 서비스(데몬) 실행

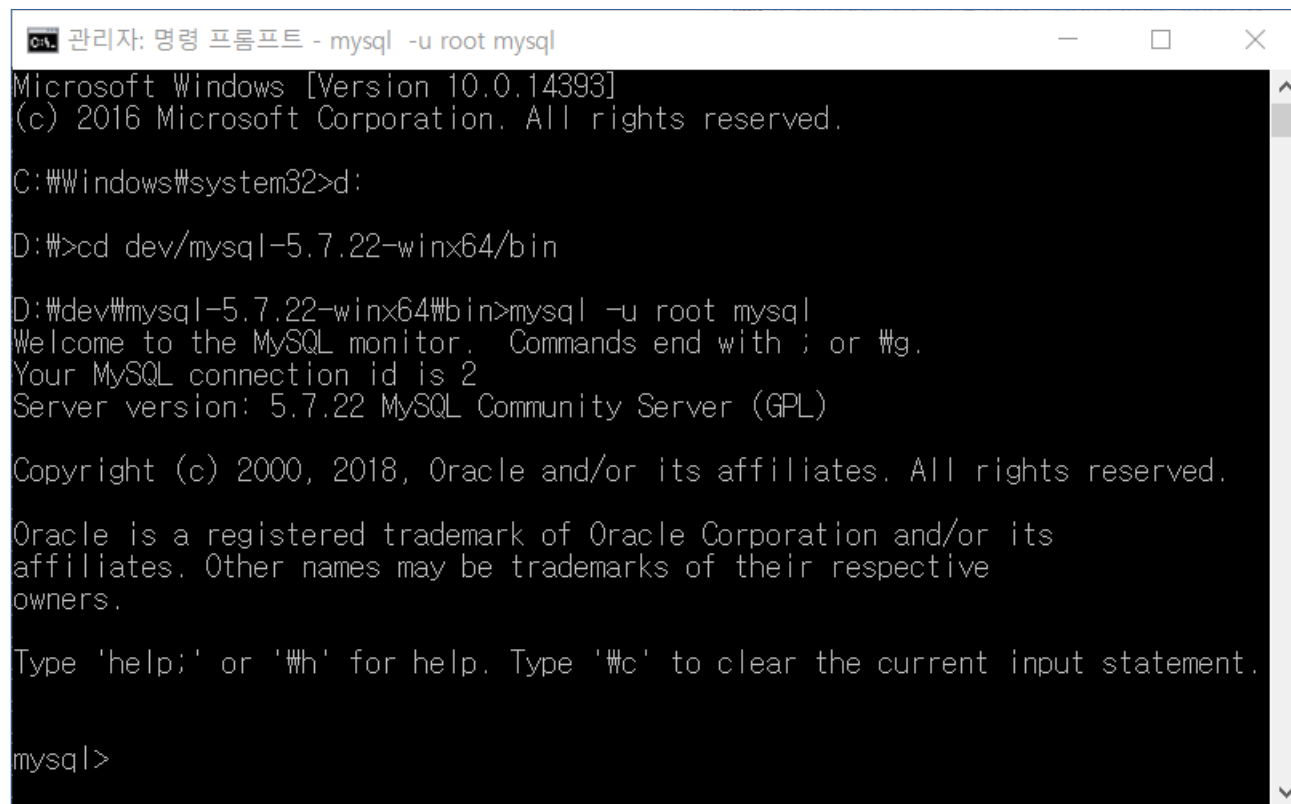
– mysqld --console **--skip-grant-tables**

```
관리자: 명령 프롬프트 - mysqld --console --skip-grant-tables
D:\dev\mysql-5.7.22-win64\bin>mysqld --console --skip-grant-tables
2018-06-11T06:21:19.752320Z 0 [Warning] TIMESTAMP with implicit DEFAULT value is deprecated. Please use --explicit_defaults_for_timestamp server option (see documentation for more details).
2018-06-11T06:21:19.752397Z 0 [Note] --secure-file-priv is set to NULL. Operations related to importing and exporting data are disabled
2018-06-11T06:21:19.752842Z 0 [Note] mysqld (mysqld 5.7.22) starting as process 10672
...
2018-06-11T06:21:19.758994Z 0 [Note] InnoDB: Mutexes and rw_locks use Windows interlocked functions
2018-06-11T06:21:19.759534Z 0 [Note] InnoDB: Uses event mutexes
2018-06-11T06:21:19.759699Z 0 [Note] InnoDB: _mm_lfence() and _mm_sfence() are used for memory barrier
2018-06-11T06:21:19.759836Z 0 [Note] InnoDB: Compressed tables use zlib 1.2.3
2018-06-11T06:21:19.760199Z 0 [Note] InnoDB: Number of pools: 1
2018-06-11T06:21:19.760508Z 0 [Note] InnoDB: Not using CPU crc32 instructions
2018-06-11T06:21:19.763524Z 0 [Note] InnoDB: Initializing buffer pool, total size = 128M, instances = 1, chunk size = 128M
2018-06-11T06:21:19.769403Z 0 [Note] InnoDB: Completed initialization of buffer pool
2018-06-11T06:21:19.800091Z 0 [Note] InnoDB: Highest supported file format is Barracuda.
2018-06-11T06:21:19.857853Z 0 [Note] InnoDB: Creating shared tablespace for temporary tables
2018-06-11T06:21:19.858517Z 0 [Note] InnoDB: Setting file 'ibtmp1' size to 12 MB. Physically writing the file full; Please wait ...
2018-06-11T06:21:19.889138Z 0 [Note] InnoDB: File 'ibtmp1' size is now 12 MB.
2018-06-11T06:21:19.898228Z 0 [Note] InnoDB: 96 redo rollback segment(s) found. 96 redo rollback segment(s) are active.
2018-06-11T06:21:19.898560Z 0 [Note] InnoDB: 32 non-redo rollback segment(s) are active.
```

■ root (관리자) 계정 암호 생성

● 명령 프롬프트 추가 실행 후 mysql 접속

– `mysql -u root mysql` (계정명 root / 사용 DB mysql)



```
관리자: 명령 프롬프트 - mysql -u root mysql
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd

D:\>cd dev/mysql-5.7.22-winx64/bin

D:\dev\mysql-5.7.22-winx64\bin>mysql -u root mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.22 MySQL Community Server (GPL)

Copyright (c) 2000, 2018, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

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

mysql>
```

■ root (관리자) 계정 암호 생성

● root 계정의 암호 변경

– update user set authentication_string=password('암호') where user='root';

● 변경사항 적용

– flush privileges;

```
mysql> update user set authentication_string=password('mysql') where user='root';  
;  
Query OK, 1 row affected, 1 warning (0.00 sec)  
Rows matched: 1  Changed: 1  Warnings: 1  
  
mysql> flush privileges;  
Query OK, 0 rows affected (0.03 sec)  
  
mysql>
```

■ root (관리자) 계정 접속 설정

● mysql 서비스 종료 후 mysql 서비스(데몬) 재실행

– Ctrl + C (프로그램 종료)

– mysqld --console

● 변경사항 적용

```
2018-06-24T04:34:17.167617Z 0 [Note] Shutting down plugin 'MEMORY'
2018-06-24T04:34:17.168304Z 0 [Note] Shutting down plugin 'CSV'
2018-06-24T04:34:17.168738Z 0 [Note] Shutting down plugin 'sha256_password'
2018-06-24T04:34:17.169573Z 0 [Note] Shutting down plugin 'mysql_native_password'

2018-06-24T04:34:17.170189Z 0 [Note] Shutting down plugin 'binlog'
2018-06-24T04:34:17.171153Z 0 [Note] mysqld: Shutdown complete

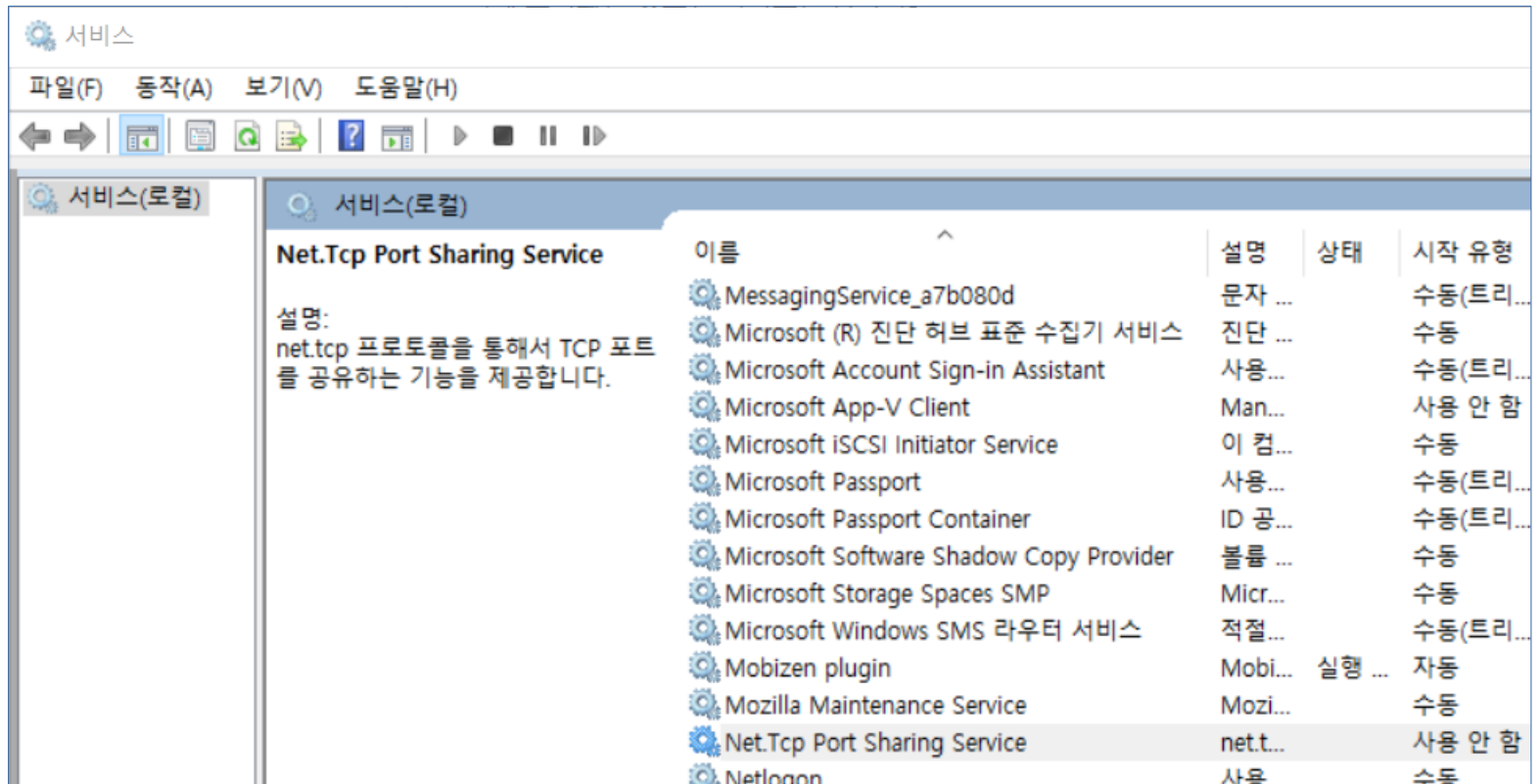
D:\dev\mysql-5.7.22-win64\bin>mysqld --console
2018-06-24T04:35:19.288970Z 0 [Warning] TIMESTAMP with implicit DEFAULT value is deprecated. Please use --explicit_defaults_for_timestamp server option (see documentation for more details).
2018-06-24T04:35:19.289044Z 0 [Note] --secure-file-priv is set to NULL. Operations related to importing and exporting data are disabled
```

● mysql 접속 후 로컬에서 접속 가능하도록 설정

– alter user 'root'@'localhost' identified by '암호';

■ MySQL 서비스 등록

● MySQL 서비스 확인 (제어판 - 관리도구 - 서비스)

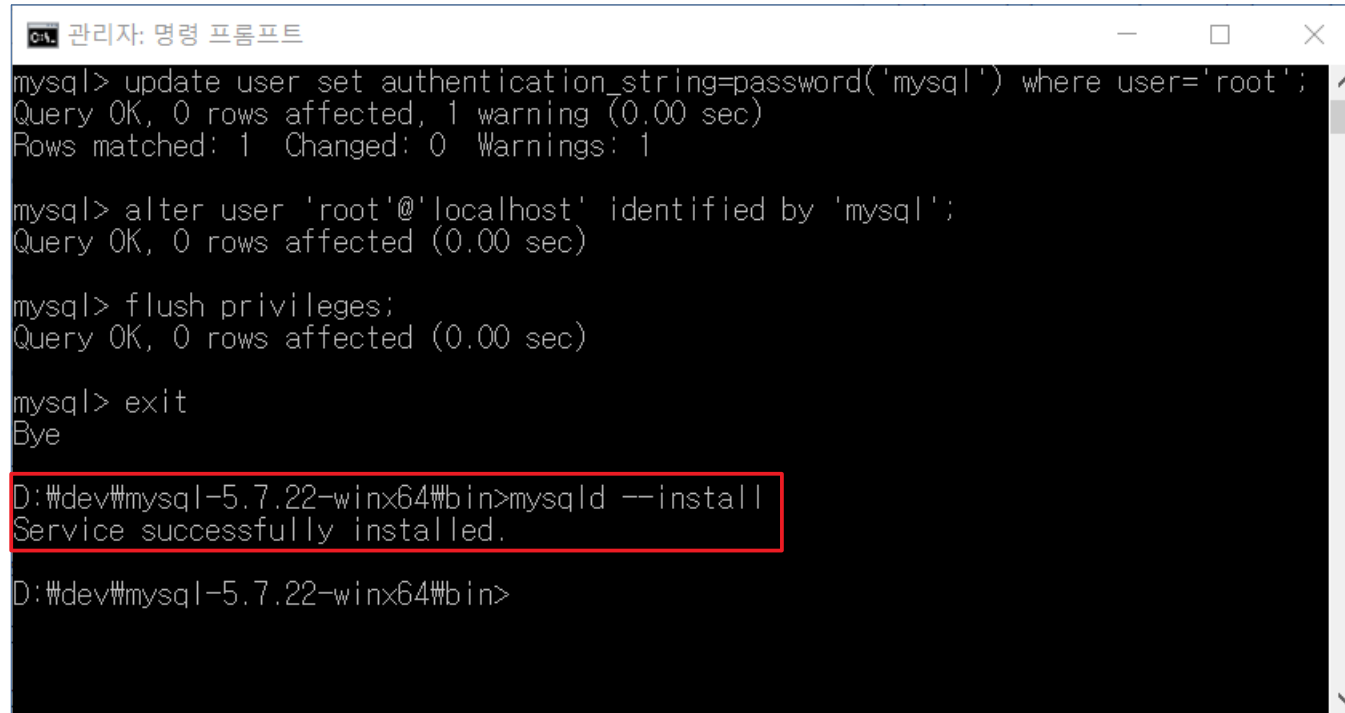


The screenshot shows the Windows Services console. The left pane displays '서비스(로컬)' (Services (local)). The right pane shows a list of services with columns for Name, Description, Status, and Startup Type. The 'Net.Tcp Port Sharing Service' is selected and highlighted.

이름	설명	상태	시작 유형
MessagingService_a7b080d	문자 ...		수동(트리...
Microsoft (R) 진단 허브 표준 수집기 서비스	진단 ...		수동
Microsoft Account Sign-in Assistant	사용...		수동(트리...
Microsoft App-V Client	Man...		사용 안 함
Microsoft iSCSI Initiator Service	이 컴...		수동
Microsoft Passport	사용...		수동(트리...
Microsoft Passport Container	ID 공...		수동(트리...
Microsoft Software Shadow Copy Provider	볼륨 ...		수동
Microsoft Storage Spaces SMP	Micr...		수동
Microsoft Windows SMS 라우터 서비스	적절...		수동(트리...
Mobizen plugin	Mobi...	실행 ...	자동
Mozilla Maintenance Service	Moz...		수동
Net.Tcp Port Sharing Service	net.t...		사용 안 함
Netlogon	사용...		수동

■ MySQL 서비스 등록

● mysqld --install



```
관리자: 명령 프롬프트
mysql> update user set authentication_string=password('mysql') where user='root';
Query OK, 0 rows affected, 1 warning (0.00 sec)
Rows matched: 1  Changed: 0  Warnings: 1

mysql> alter user 'root'@'localhost' identified by 'mysql';
Query OK, 0 rows affected (0.00 sec)

mysql> flush privileges;
Query OK, 0 rows affected (0.00 sec)

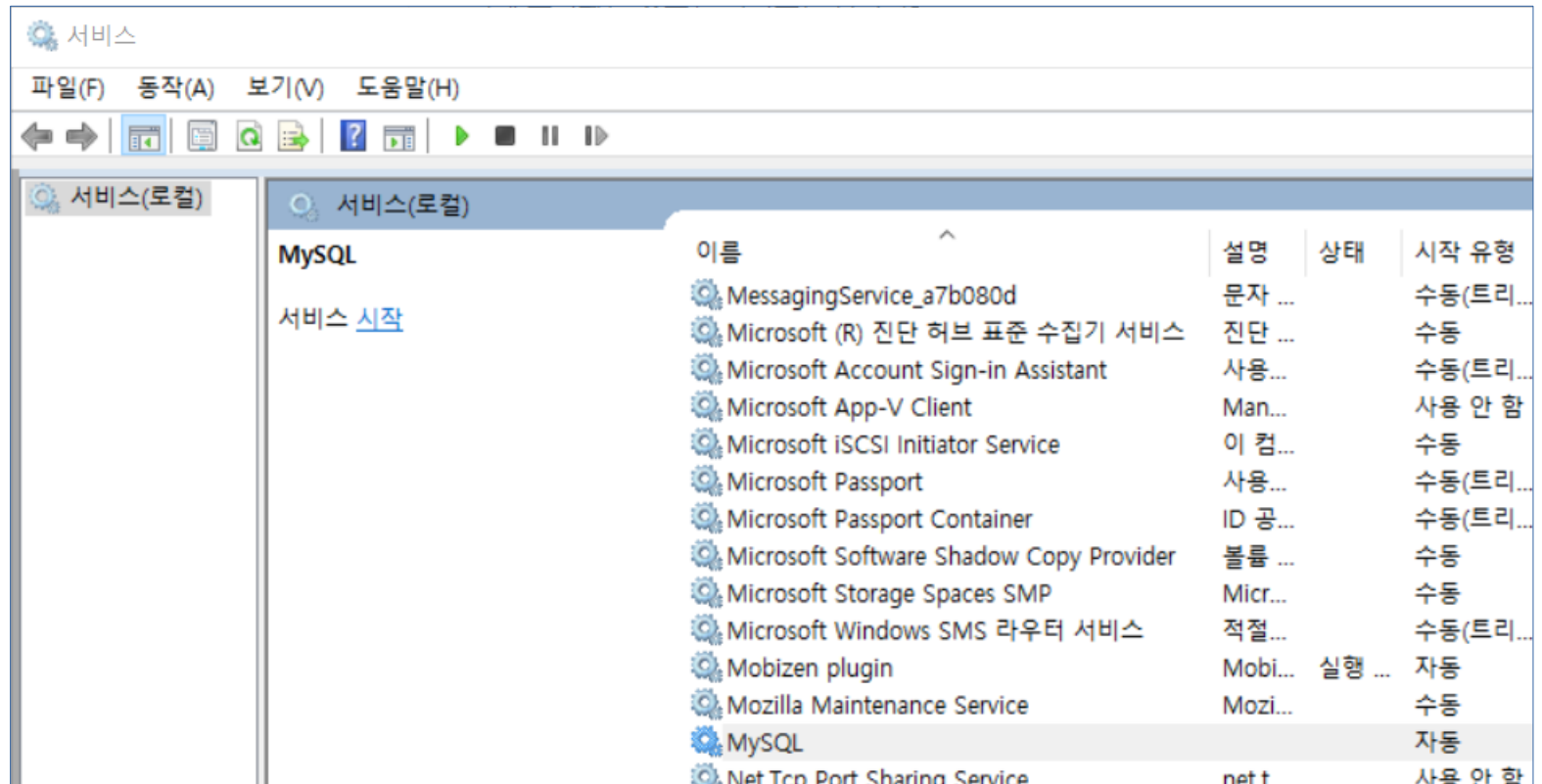
mysql> exit
Bye

D:\dev\mysql-5.7.22-winx64\bin>mysqld --install
Service successfully installed.

D:\dev\mysql-5.7.22-winx64\bin>
```


■ MySQL 서비스 등록

● MySQL 서비스 재확인 (제어판 - 관리도구 - 서비스)



■ MySQL charset 설정

● 기본 상태

A screenshot of a Windows command prompt window titled "관리자: 명령 프롬프트 - mysql -uroot -p". The window has a black background with white text. The user has entered the command "mysql> status;" and the output is displayed. The output shows various MySQL server status details, including version, connection information, and character set settings. At the bottom, there is a summary of server performance metrics.

```
관리자: 명령 프롬프트 - mysql -uroot -p
mysql> status;
-----
mysql Ver 14.14 Distrib 5.7.22, for Win64 (x86_64)

Connection id:          3
Current database:
Current user:           root@localhost
SSL:                    Not in use
Using delimiter:        ;
Server version:         5.7.22 MySQL Community Server (GPL)
Protocol version:       10
Connection:             localhost via TCP/IP
Server characterset:    latin1
Db characterset:        latin1
Client characterset:    euckr
Conn. characterset:     euckr
TCP port:               3306
Uptime:                 54 sec

Threads: 1 Questions: 10 Slow queries: 0 Opens: 105 Flush tables: 1 Open ta
bles: 98 Queries per second avg: 0.185
-----
mysql>
```

■ MySQL charset 설정

● [mysql 설치경로]/my.ini 파일 수정 (생성)

```
[mysqld]
port=3306
init-connect=W'SET NAMES utf8W'
collation_server=utf8_general_ci
character_set_server=utf8
skip-character-set-client-handshake
```

```
[client]
default-character-set = utf8
```


```
[mysqldump]
default-character-set = utf8
```

```
[mysql]
default-character-set = utf8
```

내 PC > 로컬 디스크 (D:) > dev > mysql-5.7.22-winx64			
이름	수정한 날짜	유형	크기
bin	2018-06-11 오전 10:39	파일 폴더	
data	2018-06-12 오전 9:41	파일 폴더	
docs	2018-06-11 오전 10:39	파일 폴더	
include	2018-06-11 오전 10:39	파일 폴더	
lib	2018-06-11 오전 10:39	파일 폴더	
share	2018-06-11 오전 10:39	파일 폴더	
COPYING	2018-03-04 오후 2:40	파일	18KB
my.ini	2018-06-12 오전 9:44	구성 설정	1KB
README	2018-03-04 오후 2:40	파일	3KB

■ MySQL charset 설정

● 설정 후 상태



```
관리자: 명령 프롬프트 - mysql -uroot -p

mysql> status
-----
mysql Ver 14.14 Distrib 5.7.22, for Win64 (x86_64)

Connection id:          2
Current database:
Current user:           root@localhost
SSL:                   Not in use
Using delimiter:        ;
Server version:         5.7.22 MySQL Community Server (GPL)
Protocol version:       10
Connection:             localhost via TCP/IP
Server charset:         utf8
Db charset:             utf8
Client charset:         utf8
Conn. charset:          utf8
TCP port:               3306
Uptime:                 8 sec

Threads: 1  Questions: 5  Slow queries: 0  Opens: 105  Flush tables: 1  Open tab
les: 98  Queries per second avg: 0.625
-----

mysql>
```