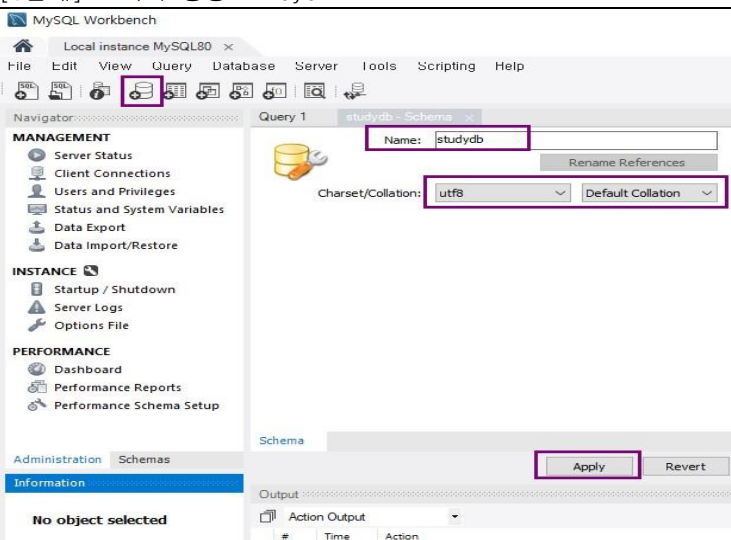


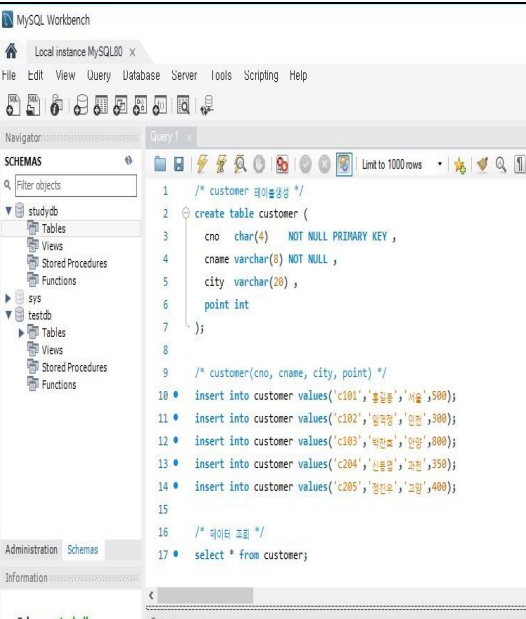
-MySQL 실습

1단계: 스키마 생성/데이터베이스 생성: studydb
 2단계: 테이블 생성 customer
 3단계: 데이터 입력

❖ 스키마 생성/데이터베이스 생성

 <p>MySQL Workbench Local instance MySQL80 x</p> <p>File Edit View Query Database Server Tools Scripting Help</p> <p>Navigator MANAGEMENT Server Status Client Connections Users and Privileges Status and System Variables Data Export Data Import/Restore</p> <p>INSTANCE Startup / Shutdown Server Logs Options File</p> <p>PERFORMANCE Dashboard Performance Reports Performance Schema Setup</p> <p>Administration Schemas Information No object selected</p> <p>Query 1 studydb - Schema Name: studydb Charset/Collation: utf8 Default Collation Apply Revert</p>	<p>스키마 생성</p> <p>[Name]: studydb [Character/Collation]: utf8 / Default Collation</p> <p>[Apply]</p>
<p>-- 1단계: 스키마 생성 CREATE SCHEMA `studydb` DEFAULT CHARACTER SET utf8 ;</p> <p>-- 사용할 데이터베이스 선택 USE studydb;</p>	

❖ 테이블 작성 (customer)

<p>[메모장] customer 테이블 생성</p> <p>customer - 메모장</p> <p>파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)</p> <pre>/* customer 테이블생성 */ create table customer (cno char(4) NOT NULL PRIMARY KEY , cname varchar(8) NOT NULL , city varchar(20) , point int); /* customer(cno, cname, city, point) */ insert into customer values('c101','홍길동','서울',500); insert into customer values('c102','임꺽정','인천',300); insert into customer values('c103','박찬호','안양',800); insert into customer values('c204','신동엽','과천',350); insert into customer values('c205','정진우','고양',400); /* 데이터 조회 */ select * from customer;</pre>	<p>[실습] 워크벤치(Workbench)</p>  <p>MySQL Workbench Local instance MySQL80 x</p> <p>File Edit View Query Database Server Tools Scripting Help</p> <p>Navigator SCHEMAS Filter objects studydb Tables Views Stored Procedures Functions sys testdb Tables Views Stored Procedures Functions</p> <pre>1 /* customer 테이블생성 */ 2 create table customer (3 cno char(4) NOT NULL PRIMARY KEY , 4 cname varchar(8) NOT NULL , 5 city varchar(20) , 6 point int 7); 8 9 /* customer(cno, cname, city, point) */ 10 insert into customer values('c101','홍길동','서울',500); 11 insert into customer values('c102','임꺽정','인천',300); 12 insert into customer values('c103','박찬호','안양',800); 13 insert into customer values('c204','신동엽','과천',350); 14 insert into customer values('c205','정진우','고양',400); 15 16 /* 데이터 조회 */ 17 select * from customer;</pre> <p>Administration Schemas Information Schema: studydb Output</p>
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※ 워크벤치(Workbench) 쿼리 실행: 쿼리 창에 마우스 위치시키고 <Ctrl + Enter>

❖ SQL(Structured Query Language) : 데이터베이스 언어

종류	약어	명령어	비고
데이터 정의어	DDL (Data Definition Language)	CREATE ALTER DROP	객체 생성 객체 수정 객체 삭제
데이터 조작어	DML (Data Manipulation Language)	SELECT INSERT UPDATE DELETE	데이터 검색 데이터 입력 데이터 수정 데이터 삭제
데이터 제어어	DCL (Data Control Language)	GRANT REVOKE	권한부여 권한취소
	TCL (Transaction Control Language)	COMMIT; ROLLBACK; SAVEPOINT;	작업완료 작업취소 저장포인트

[실습예제3] : login 테이블 (데이터 입력, 수정, 삭제, 조회)

login 테이블 생성	테이블 삭제
<pre>--login(L_id, L_pw) CREATE TABLE login (L_id char(8) NOT NULL PRIMARY KEY , L_pw varchar(10) NOT NULL);</pre>	<pre>drop table login;</pre>

1-1) 데이터 입력

데이터 입력(INSERT)	데이터를 입력하는 SQL문법								
<pre>login</pre> <table border="1"> <thead> <tr> <th>L_id</th><th>L_pw</th></tr> </thead> <tbody> <tr> <td>admin</td><td>1234</td></tr> <tr> <td>guest</td><td>guest</td></tr> <tr> <td>kkk</td><td>kkk</td></tr> </tbody> </table>	L_id	L_pw	admin	1234	guest	guest	kkk	kkk	<pre>--데이터 입력 INSERT INTO 테이블명(필드명1, 필드명2) VALUES(값1, 값2); --login 데이터 입력 INSERT INTO login VALUES ('admin', '1234'); INSERT INTO login VALUES ('guest', 'guest'); INSERT INTO login VALUES ('kkk', 'kkk');</pre>
L_id	L_pw								
admin	1234								
guest	guest								
kkk	kkk								

1-2) 데이터 수정

데이터 수정 (UPDATE)	특정 아이디의 패스워드를 수정하는 SQL문법								
<pre>login</pre> <table border="1"> <thead> <tr> <th>L_id</th><th>L_pw</th></tr> </thead> <tbody> <tr> <td>admin</td><td>admin</td></tr> <tr> <td>guest</td><td>guest</td></tr> <tr> <td>kkk</td><td>kkk</td></tr> </tbody> </table>	L_id	L_pw	admin	admin	guest	guest	kkk	kkk	<pre>--데이터 수정 UPDATE login SET L_pw='admin' WHERE L_id='admin'; --데이터 조회 SELECT * FROM login;</pre> <pre>--데이터 수정 UPDATE 테이블명 SET 필드명 = 수정 후 값 WHERE 필드명 = 수정 전 값</pre>
L_id	L_pw								
admin	admin								
guest	guest								
kkk	kkk								

1-3) 데이터 삭제

데이터 삭제 (DELETE)	특정 아이디를 삭제하는 SQL문법						
<pre>login</pre> <table border="1"> <thead> <tr> <th>L_id</th><th>L_pw</th></tr> </thead> <tbody> <tr> <td>admin</td><td>admin</td></tr> <tr> <td>guest</td><td>guest</td></tr> </tbody> </table>	L_id	L_pw	admin	admin	guest	guest	<pre>--데이터 삭제 DELETE FROM login WHERE L_id='kkk'; --데이터 조회 SELECT * FROM login;</pre> <pre>--데이터 삭제 DELETE FROM 테이블명 WHERE 필드명 = 필드값</pre>
L_id	L_pw						
admin	admin						
guest	guest						