6강의실

1조 : team EV

이준화

1. ERD

디스플레이, 도시, 물, 남자이(가) 표시된 사진

자동 생성된 설명

1. DDL

CREATE TABLE eccar

(

`eccar\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '차 아이디',

`car\_name` VARCHAR(45) NULL COMMENT '이름',

`yyyy` VARCHAR(45) NULL COMMENT '연형',

`model\_name` VARCHAR(45) NULL COMMENT '모델명',

`trim` VARCHAR(45) NULL COMMENT '트림',

`brand` VARCHAR(45) NULL COMMENT '브랜드',

`price` VARCHAR(45) NULL COMMENT '가격',

`fuel` VARCHAR(45) NULL COMMENT '연료',

`fuel\_efficiency` VARCHAR(45) NULL COMMENT '연비(등급)',

`passengers\_number` VARCHAR(45) NULL COMMENT '승차인원',

`driving\_method` VARCHAR(45) NULL COMMENT '구동방식',

`transmission` VARCHAR(45) NULL COMMENT '변속기',

`distance\_driven` VARCHAR(45) NULL COMMENT '1회 충전 주행가능거리',

`energy` VARCHAR(45) NULL COMMENT '에너지용량',

`maximum\_output` VARCHAR(45) NULL COMMENT '모터최대출력',

`maximum\_torque` VARCHAR(45) NULL COMMENT '모터최대토크',

`acceleration\_performance` VARCHAR(45) NULL COMMENT '가속성능(0-100 km/h)',

`length` VARCHAR(45) NULL COMMENT '전장',

`width` VARCHAR(45) NULL COMMENT '전폭',

`height` VARCHAR(45) NULL COMMENT '전고',

`wheel\_base` VARCHAR(45) NULL COMMENT '축거',

`front\_distance` VARCHAR(45) NULL COMMENT '윤거전',

`back\_distance` VARCHAR(45) NULL COMMENT '윤거후',

`weight` VARCHAR(45) NULL COMMENT '공차중량',

`front\_wheel` VARCHAR(45) NULL COMMENT '전륜타이어',

`rear\_wheel` VARCHAR(45) NULL COMMENT '후륜타이어',

`front\_suspension` VARCHAR(45) NULL COMMENT '전륜서스펜션',

`rear\_suspension` VARCHAR(45) NULL COMMENT '후륜서스펜션',

`front\_braking` VARCHAR(45) NULL COMMENT '전륜제동장치',

`rear\_braking` VARCHAR(45) NULL COMMENT '후륜제동장치',

`steering` VARCHAR(45) NULL COMMENT '스티어링',

`img` VARCHAR(45) NULL COMMENT '사진',

`boosting\_charge` VARCHAR(45) NULL COMMENT '급속충전',

`slow\_charging` VARCHAR(45) NULL COMMENT '완속충전',

`color` VARCHAR(45) NULL COMMENT '색상',

`eol` boolean NULL COMMENT '단종(End of Life)',

PRIMARY KEY (eccar\_id)

)default character set utf8 collate UTF8\_GENERAL\_CI;

ALTER TABLE eccar COMMENT '전기차';

CREATE TABLE purchase

(

`order\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '주문번호',

`purchasing\_method` VARCHAR(45) NULL COMMENT '구매방식',

`purchase\_time` VARCHAR(45) NULL COMMENT '구매일시',

`purchase\_amount` VARCHAR(45) NULL COMMENT '구매 양',

`purchase\_price` VARCHAR(45) NULL COMMENT '구매 금액',

`user\_seq` INT NULL COMMENT '사용자아이디',

`eccar\_id` INT NULL COMMENT '전기차 아이디',

PRIMARY KEY (order\_id)

);

ALTER TABLE purchase COMMENT '구매';

ALTER TABLE purchase

ADD CONSTRAINT FK\_purchase\_eccar\_id\_eccar\_eccar\_id FOREIGN KEY (eccar\_id)

REFERENCES eccar (eccar\_id) ON DELETE RESTRICT ON UPDATE RESTRICT;

ALTER TABLE purchase

ADD CONSTRAINT FK\_purchase\_user\_seq\_user\_user\_seq FOREIGN KEY (user\_seq)

REFERENCES user (user\_seq) ON DELETE RESTRICT ON UPDATE RESTRICT;

CREATE TABLE wishlist

(

`wishlist\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '찜하기id',

`user\_seq` INT NULL COMMENT '사용자아이디',

`eccar\_id` INT NULL COMMENT '전기차 아이디',

PRIMARY KEY (wishlist\_id)

);

ALTER TABLE wishlist COMMENT '찜하기';

ALTER TABLE wishlist

ADD CONSTRAINT FK\_wishlist\_user\_seq\_user\_user\_seq FOREIGN KEY (user\_seq)

REFERENCES user (user\_seq) ON DELETE RESTRICT ON UPDATE RESTRICT;

ALTER TABLE wishlist

ADD CONSTRAINT FK\_wishlist\_eccar\_id\_eccar\_eccar\_id FOREIGN KEY (eccar\_id)

REFERENCES eccar (eccar\_id) ON DELETE RESTRICT ON UPDATE RESTRICT;

CREATE TABLE charging\_station

(

`charging\_station\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '충전소아이디',

`unit\_name` VARCHAR(45) NULL COMMENT '충전소명',

`charger\_id` VARCHAR(45) NULL COMMENT '충전기ID',

`charger\_type` INT NULL COMMENT '충전기타입',

`address` VARCHAR(200) NULL COMMENT '주소',

`x\_value` double NULL COMMENT '위도',

`y\_value` double NULL COMMENT '경도',

`business\_hours` VARCHAR(45) NULL COMMENT '이용가능시간',

`agency\_name` VARCHAR(45) NULL COMMENT '운영기관명',

`phone` VARCHAR(45) NULL COMMENT '연락처',

`charger\_state` VARCHAR(45) NULL COMMENT '충전기상태',

`update\_date` VARCHAR(45) NULL COMMENT '상태갱신일시',

`boosting\_charge` VARCHAR(45) NULL COMMENT '급속충전',

PRIMARY KEY (charging\_station\_id)

)default character set utf8 collate UTF8\_GENERAL\_CI;

ALTER TABLE charging\_station COMMENT '충전소';

CREATE TABLE sights

(

`sights\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '관광지아이디',

`name` VARCHAR(45) NULL COMMENT '이름',

`street\_address` VARCHAR(45) NULL COMMENT '소재지도로명주소',

`branch\_address` VARCHAR(45) NULL COMMENT '소재지지번주소',

`x\_value` double NULL COMMENT '위도',

`y\_value` double NULL COMMENT '경도',

`capacity` INT NULL COMMENT '수용인원수',

`parking\_lot` INT NULL COMMENT '주차가능수',

`info` VARCHAR(300) NULL COMMENT '관광지소개',

PRIMARY KEY (sights\_id)

)default character set utf8 collate UTF8\_GENERAL\_CI;

ALTER TABLE sights COMMENT '관광지';

CREATE TABLE bookmark

(

`bookmark\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '즐겨찾기아이디',

`sights\_id` INT NULL COMMENT '관광지아이디',

`charging\_station\_id` INT NULL COMMENT '충전소아이디',

`user\_seq` INT NULL COMMENT '유저아이디',

PRIMARY KEY (bookmark\_id)

)default character set utf8 collate UTF8\_GENERAL\_CI;

ALTER TABLE bookmark COMMENT '즐겨찾기';

ALTER TABLE bookmark

ADD CONSTRAINT FK\_bookmark\_sights\_id\_sights\_sights\_id FOREIGN KEY (sights\_id)

REFERENCES sights (sights\_id) ON DELETE RESTRICT ON UPDATE RESTRICT;

ALTER TABLE bookmark

ADD CONSTRAINT FK\_bookmark\_charger\_id\_charging\_station\_charging\_station\_id FOREIGN KEY (charging\_station\_id)

REFERENCES charging\_station (charging\_station\_id) ON DELETE RESTRICT ON UPDATE RESTRICT;

ALTER TABLE bookmark

ADD CONSTRAINT FK\_bookmark\_user\_seq\_user\_seq FOREIGN KEY (user\_seq)

REFERENCES user (user\_seq) ON DELETE RESTRICT ON UPDATE RESTRICT;

1. DML

Eccar table DML

C:

Insert into post values (1,’2019 테슬라 모델3 RWD’ ,2019,’모델3’,’RWD’,’테슬라’,"5,369",’정보없음’,’정보없음’,’정보없음’,’전기’,’정보없음’,’5인승’,’후륜구동’,’자동1단’,’352km’,’50.0kWh’,’175.0Kw’,’375.0Nm’,’5.6초’,’정보없음’,’4694mm’,’1849mm’,’1443mm’,’2875mm’,’1580mm’,’1580mm’,’1645kg’,’정보없음/정보없음/18inch,정보없음/정보없음/18inch’,’더블위시본’,’멀티링크’,’디스크’,’디스크’,’랙앤피니언’,’https://imgauto-phinf.pstatic.net/20200205\_218/auto\_1580892688565gVui9\_PNG/20200205175126\_tJ5cbvuq.png?type=f567\_410’,’DC콤보(급속)’,’AC완속(7핀)’,"흰, 검, 회, 파, 빨",0);

R:

­­­Select \* from eccar order by car\_name DESC;

Select \* from eccar where trim like ‘trim’ order by car\_name DESC

Select \* from eccar where brand like ‘brand ‘ order by car\_name DESC

Select \* from eccar where price like ‘price’ order by car\_name DESC

Select \* from eccar where title like ‘%search word%’ order by car\_name DESC

U:

Update post set content = ‘update content’ where eccar\_id = ‘eccar\_id’;

D:

Delete from post where eccar\_id = ‘eccar\_id’;

Comment charging\_station DML

C:

Insert into comment values (‘종묘 공영주차장’,’1’,1,3,"서울특별시 종로구 종로 157, 지하주차장 4층 하층 T구역",37.571076,126.99588,’24시간 이용가능’,’환경부’,’1661-9408’,’2’,’2.02E+13’,’급속(50kW)’,’DC차데모 + AC3상’);

R:

Select \* from comment order by update\_date DESC

Select \* from comment where charging\_station\_id order by update \_date DESC

Select \* from comment where charger\_id order by update \_date DESC

U:

Update comment set comment = ‘update address’ where charging\_station\_id = ‘charging\_station\_id’;

D:

Delete from comment where charging\_station\_id = ‘charging\_station\_id’;