**USE** ezen2;

*#데이터 생성*

**CREATE** **TABLE** **if** **NOT** **EXISTS** address\_book (

**NO** **INT** **UNSIGNED** **NOT** **NULL** **AUTO\_INCREMENT**,

**Name** **VARCHAR**(10) **NOT** **NULL**,

tel **VARCHAR**(14),

nickname **VARCHAR**(20) **default** '별명',

**PRIMARY** **KEY**(**NO**)

) **AUTO\_INCREMENT**=10001 **DEFAULT** **CHARSET**=**UTF8**;

*#테이블 조회*

**SHOW** **TABLES**;

**DESC** address\_book;

*#테이플 제거*

**DROP** **TABLE** [];

**CREATE** **TABLE** tmp (

id **INT**,

**NAME** **VARCHAR**(10)

);

**DROP** **TABLE** tmp;

*#테이블이름변경*

**RENAME** **TABLE** [] **TO** [];

**RENAME** **TABLE** tmp **TO** tmp\_table;

*#테이블 변경*

**ALTER** **TABLE** address\_table **ADD** gender **CHAR**(2) **NOT** **NULL**;

**ALTER** **TABLE** address\_table **ADD** email **VARCHAR**(20) **NOT** **NULL** **AFTER** tel;

*#컬럼 삭제*

**ALTER** **TABLE** [] **DROP** [];

*#컬럼명변경*

**ALTER** **TABLE** [] **CHANGE** **NO** adid adid **INT** **UNSIGNED** **NOT** **NULL** **AUTO\_INCREMENT**;

**DESC** addr\_book;

*#컬럼순서변경*

**ALTER** **TABLE** address\_book **MODIFY** gender **CHAR**(2) **NOT** **NULL** **AFTER** **NAME**;

*#데이터 조회 - 조건*

**USE** world;

**SHOW** tanles;

**DESC** dity;

**SELECT** \* **FROM** city **WHERE** COUNTryCode **LIKE** 'KOR';

**SELECT** \* **FROM** city **WHERE** district **LIKE** 'kyonggo' **AND** population > 500000;

**SELECT** **DISTINCT** disterict **FROM** city **WHERE** countrycode = 'kor';

**SELECT** \* **FROM** city **WHERE** district **LIKE** 'Taejon' **OR**

district **LIKE** 'Chungchongbuk' **OR** district **LIKE** 'chungchongnam';

**SELECT** \* **FROM** city **WHERE** countrycode **LIKE** 'kor' **AND**

population > 1000000 **AND**

**SELECT** \* **FROM** city **WHERE** countrycode **LIKE** 'kor' **AND**

population **BETWEEN** 1000 **and** 1000000;

**SELECT** \* **FROM** city **WHERE** disterict **LIKE** 'kyonggi'

**ORDER** **BY** population **DESC**;

**SELECT** \* **FROM** city **WHERE** countrycode = 'kor'

**ORDER** **BY** district, population **DESC**;

**SELECT** **COUNT**(\*) **FROM** city **WHERE** COUNTtycode= 'kor';

**SELECT** **min**(\*) **FROM** city **WHERE** COUNTtycode= 'kor';

**SELECT** **COUNT**(\*) **FROM** city **WHERE** COUNTtycode= 'kor';

**SELECT** **avg**(\*) **FROM** city **WHERE** COUNTtycode= 'kor';

**SELECT** **sum**(\*) **FROM** city **WHERE** COUNTtycode= 'kor';

*#두개이상 함수사용*

**SELECT** **SUM**(\*), **MIN**(\*) **FROM** city **WHERE** COUNTtycode= 'kor';

**SELECT** **group\_concat**(**NAME**) **FROM** city **WHERE** district='chungchongnam'

**SELECT** **GROUP\_CONCAT**(**DISTINCT** district) **FROM** city

**WHERE** cointrycode = 'kor';

**SELECT** district, **COUNT**(\*) **FROM** city **FROM** countrycode ='kor'

**GROUP** **BY** district;

**SELECT** district, **COUNT**(\*) **FROM** city **FROM** countrycode ='kor'

**GROUP** **BY** district **HAVING** **COUNT**(\*)=6 **ORDER** **BY** **COUNT**(\*) **desc**;

**SELECT** countrycode, **COUNT**(\*) **FROM** city

**GROUP** **BY** countrycode **HAVING** **COUNT**(\*) >=50;

**SELECT** city.**Name**, city.Population, country.**Name** **from** city

**inner** **join** country **on** city.CountryCode = country.**Code**;

**select** city.**Name**, city.Population, country.**Name** **from** city

**inner** **join** country **on** city.CountryCode = country.**Code**

**where** city.CountryCode='kor';

**select** city.**Name**, city.Population, country.**Name** **from** city

**inner** **join** country **on** city.CountryCode = country.**Code**

**where** city.Population > 7000000 **ORDER** **BY** cty.population **DESC** **LIMIT** 5;

**USE** ezen2;

**CREATE** **TABLE** **if** **NOT** **EXISTS** eagles2 (

backno **INT** **UNSIGNED** **NOT** **NULL** **PRIMARY** **KEY**,

**NAME** **VARCHAR**(10) **NOT** **NULL**,

**POSITION** **VARCHAR**(10) **NOT** **NULL**,

highschool **VARCHAR**(10),

hand **VARCHAR**(10)

);

**INSERT** **INTO** eagles2 **VALUES** (10, '이태양', '투수', '수천요천고', '우투우타')

**INSERT** **INTO** eagles2 (backno, neme, **POSITION**) **VALUES**(11, '장민재', '투수')

**INSERT** **INTO** eagles2 **VALUES**

(1, '최윤석', '3루수', '광주동성고', '우투좌타'),

(2, '하주석', '우격수', '신일고', '우투좌타'),

(3, '최재훈', '포수', '덕수고', '우투우타'),

(4, '김재영', '투수', '서울고', '우사우타'),

(5, '박주홍', '투수', '광주일고', '좌투좌타'),

(6, '박상원', '투수', '휘문고', '우투우타'),

(7, '임준섭', '투수', '개성고', '좌투좌차'),

(8, '김진영', '투수', '덕수고', '우투우타'),

(9, '정근우', '중견수', '부산고', '우투우타');

**UPDATE** eagles2 **SET** highschool = '광주제일고', hand='우투우타'

**WHERE** backno=7;

**SELECT** \* **FROM** eagles2;

**DELETE** **FROM** eagles2 **WHERE** backno=1 **OR** 2;

**INSERT** **INTO** eagles2 (backno, neme, highschool, **POSITION**) **VALUES**

(1, '강경학', '3루수', '광주동성고', '우투좌타')

(2, '하주석', '우격수', '신일고', '우투좌타');

**CREATE** **VIEW** PIicher **AS** **SELECT** \* **FROM** eagles2

**WHERE** **POSITION** **LIKE** '투수';

**CREATE** **VIEW** outPIicher **AS** **SELECT** \* **FROM** eagles2

**WHERE** **POSITION** **LIKE** '외야수';

**CREATE** **VIEW** inPIicher **AS** **SELECT** \* **FROM** eagles2

**WHERE** **POSITION** **LIKE** '내야수';

**SELECT** \* **FROM** outPIicher;

**SELECT** \* **FROM** inPIicher;

**DROP** **VIEW** inPIicher;

**CREATE** **VIEW** inPIicher

**AS** **SELECT** (backno, neme, highschool, **POSITION**)

**SELECT** \* **FROM** eagels2;

**ALTER** **TABLE** eagles2 **ADD** birthday **DATE**;

**UPDATE** eagles2 **SET** birthday='1989-05-18' **WHERE** backno=1;

**SELECT** \* **FROM** eagles2;

**UPDATE** eagles2 **SET** birthday='1994-02-25' **WHERE** backno=1;

**UPDATE** eagles2 **SET** birthday='1996-10-29' **WHERE** backno=2;

**UPDATE** eagles2 **SET** birthday='1987-03-28' **WHERE** backno=3;

**UPDATE** eagles2 **SET** birthday='1993-07-23' **WHERE** backno=4;

**UPDATE** eagles2 **SET** birthday='1988-08-18' **WHERE** backno=5;

**UPDATE** eagles2 **SET** birthday='1990-07-28' **WHERE** backno=6;

**UPDATE** eagles2 **SET** birthday='1991-11-18' **WHERE** backno=7;

**UPDATE** eagles2 **SET** birthday='1994-06-22' **WHERE** backno=8;

**UPDATE** eagles2 **SET** birthday='1992-09-09' **WHERE** backno=9;

**UPDATE** eagles2 **SET** birthday='1988-08-18' **WHERE** backno=10;

**UPDATE** eagles2 **SET** birthday='1985-06-11' **WHERE** backno=11;