password: saekpatras

show databases;

create database person;

use person;

CREATE TABLE STUDENTS1 (

ID INT NOT NULL AUTO\_INCREMENT,

FIRST\_NAME varchar(45) NOT NULL,

LAST\_NAME varchar(45) NOT NULL,

GRADE INT DEFAULT 0 NOT NULL,

PRIMARY KEY (ID),

CHECK(GRADE>=0)

);

SHOW TABLES;

CREATE TABLE STUDENTS (

ID INT NOT NULL AUTO\_INCREMENT,

FIRST\_NAME varchar(45) NOT NULL,

LAST\_NAME varchar(45) NOT NULL,

GRADE INT DEFAULT 0 NOT NULL,

PRIMARY KEY (ID),

CHECK(GRADE>=0)

);

DROP TABLE STUDENTS1;

ALTER TABLE STUDENTS ADD COLUMN AGE INT NOT NULL DEFAULT 0;

DESCRIBE STUDENTS;

INSERT INTO STUDENTS (FIRST\_NAME,LAST\_NAME,GRAGE,AGE) VALUES ("NIKOS","KAKOS",18,20);

INSERT INTO STUDENTS (FIRST\_NAME,LAST\_NAME,GRAGE,AGE) VALUES ("ANNA","PANOY",19,22);

INSERT INTO STUDENTS (FIRST\_NAME,LAST\_NAME,GRAGE,AGE) VALUES ("NIKH","SBYNOY",9,15);

INSERT INTO STUDENTS (FIRST\_NAME,LAST\_NAME,GRAGE,AGE) VALUES ("JOHN","TZIMOS",12,25);

INSERT INTO STUDENTS (FIRST\_NAME,LAST\_NAME,GRAGE,AGE) VALUES ("VOULA","TRIGGOU",8,17);

INSERT INTO STUDENTS (FIRST\_NAME,LAST\_NAME,GRAGE,AGE) VALUES ("VOULA","TRIGGOU",9,18);

INSERT INTO STUDENTS (FIRST\_NAME,LAST\_NAME,GRAGE,AGE) VALUES ("VOULA","PAPAS",8,17);

SELECT \* FROM STUDENTS;

SELECT FIRST\_NAME,LAST\_NAME FROM STUDENTS;

SELECT FIRST\_NAME,LAST\_NAME FROM STUDENTS ORDER BY AGE;

SELECT FIRST\_NAME,LAST\_NAME FROM STUDENTS ORDER BY AGE, LAST\_NAME;

SELECT FIRST\_NAME,LAST\_NAME FROM STUDENTS WHERE AGE>12;

SELECT COUNT(\*) FROM STUDENTS;

SELECT COUNT(FIRST\_NAME) FROM STUDENTS;

SELECT COUNT(DISTINCT(FIRST\_NAME)) FROM STUDENTS;

SELECT COUNT(\*) FROM STUDENTS WHERE LAST\_NAME='KAKOS';

SELECT COUNT(\*) FROM STUDENTS WHERE LAST\_NAME='TRIGGOU';

SELECT COUNT(\*) FROM STUDENTS WHERE LAST\_NAME IN ('TRIGGOU','KAKOS');

SELECT COUNT(\*) FROM STUDENTS GROUP BY LAST\_NAME;

SELECT AGE, COUNT(\*) FROM STUDENTS GROUP BY AGE;

SELECT MAX(AGE) FROM STUDENTS;

SELECT FIRST\_NAME, MAX(AGE) FROM STUDENTS GROUP BY LAST\_NAME;

SELECT MIN(AGE) FROM STUDENTS;

SELECT FIRST\_NAME, MIN(AGE) FROM STUDENTS GROUP BY LAST\_NAME;

SELECT AVG(AGE) FROM STUDENTS;

SELECT FIRST\_NAME, AVG(AGE) FROM STUDENTS GROUP BY LAST\_NAME;

ALTER TABLE STUDENTS RENAME COLUMN LAST\_NAME TO LNAME;

ALTER TABLE STUDENTS RENAME COLUMN FIRST\_NAME TO FNAME;

SELECT \* FROM STUDENTS ORDER BY FNAME DESC;

SELECT \* FROM STUDENTS ORDER BY FNAME;