# 5-mysql recitation

connect;
mysql -u root -p
pwd: Seesaw-2
show databases;
create database database351;
use database351;
show tables;
create table students(sid INT, name VARCHAR(20), address VARCHAR(100));
drop table students;
select * from students;
insert into students values(5, "john","ankara");
delete from students;  —deletes all rows
drop table students; —deletes table
create table students(sid INT, name VARCHAR(20), address VARCHAR(100),primary key
(sid));
create table enrolls (cid int, sid int, grade char(5), primary key(cid,sid), foreign key(sid)
references students(sid), foreign key(cid) references courses(cid));
create table enrolls (cid int, sid int, grade char(5), primary key(cid,sid), foreign key(sid)
references students(sid), foreign key(cid) references courses(cid) on delete set null);  —
does not work on this example, because cid is primary key of another table
create table enrolls (cid int, sid int, grade char(5), primary key(cid,sid), foreign key(sid)
references students(sid) on delete cascade on update cascade, foreign key(cid) references
courses(cid) on delete cascade on update cascade;

- candidate key = minimal (minimal and unique) - no subset can be key
- super key = does not have to be minimal (just unique) - subsets can be key as wel
- primary keys cannot be NULL