commands

- \c iti;
- create type gender as enum('female','male');
- alter table students add gender gender;
- alter table students add birth_date date;
- alter table students drop name;
- alter table students add first_name varchar(10);
- create type contact_info as (email varchar(20),address varchar(10));
- alter table students drop email;
- alter table students drop address;
- alter table students alter id set data type smallint;
- alter table courses alter id set data type smallint;
- alter table track alter id set data type smallint;
- alter table studentCourse alter stdid set data type smallint;
- alter table studentCourse alter crsid set data type smallint;
- alter table students add constraint u unique (id);
- alter table students add constraint p_k primary key (id);
- alter table courses add constraint my_pk primary key (id);
- alter table courses add constraint my_u unique(id);
- insert into track values (1,'UI&Web'), (2,'sd'),(3,'data science'), (4,'Mobile'),(5,'AI');
- insert into students values (1,1,'female','2000-11-8','Zien','Muhammad'),(2,5,'male','1995-11-8','Omar','Muhammad'),(3,2,'male','1999-11-8','Tarek','Muhammad'),(4,4,'female','1999-12-9','Souad','Reda'),(5,4,'female','1999-12-9','Sanaa','Abdelhamid'),(6,1,'female','2000-2-6','Noor','Ahmed');
- insert into courses values (1,'c++','programming language called c++',100),(2,'Os','operating system course',100),(3,'js','programming language called javascript',100),(4,'c','programming language called c',100),(5,'mongo','mongo database ',100);
- insert into studentCourse values (1,3),(2,1),(3,4),(4,4),(5,5);
- insert into studentcourseexam values (1,1,90,now()),(2,3,90,now()),(3,5,90,now()),(4,4,90,now()),(5,5,90,now()),(6,1,90,now());
- select * from students;
- select * from students where gender = ‘male’;
- select count(*) from students where gender ='female';
- select * from students where birth_date <'1992-10-01';

- select * from students where birth_date <'1991-10-01' and gender = 'male';
- select name,maxscore from courses order by maxscore desc;
- select name, maxscore from courses order by maxscore desc limit 1;
- select first_name from students where first_name like '%A';
- select count(*) from students where first_name = 'Mohammed';
- select count(*),gender from students group by gender;
- select first_name,last_name,name from track t inner join students s on t.id =s.trackid;

Bonus 👍
select name,score,first_name from courses c inner join studentcourseexam ex on c.id = ex.crsid inner join students s on ex.stdid =s.id;