create schema nr3;

use nr3;

create table studenti(

`IdStudent` int auto\_increment ,

`nume` varchar(45),

`prenume` varchar(45),

`adresa` varchar(45),

primary key(`IdStudent`)

);

create table disciplina(

`IdDisciplina` int auto\_increment ,

`denumire` varchar(45),

`nrOre` int,

primary key(`IdDisciplina`)

);

create table facultate(

`IdFacultate` int auto\_increment ,

`IdStudent` int,

`IdDisciplina` int,

`sala` varchar(45),

primary key(`IdFacultate`),

constraint foreign key (`IdStudent`) references studenti(`IdStudent`),

constraint foreign key (`IdDisciplina`) references disciplina(`IdDisciplina`)

);

insert into studenti(`nume`, `prenume`,`adresa`) values ('Popescu','George','Bucuresti');

insert into studenti(`nume`, `prenume`,`adresa`) values ('Ionescu','George','Pitesti');

insert into studenti(`nume`, `prenume`,`adresa`) values ('Albu','Andrei','Bucuresti');

insert into disciplina(`denumire`,`nrOre`) values ('matematica','4');

insert into disciplina(`denumire`,`nrOre`) values ('informatica','10');

insert into disciplina(`denumire`,`nrOre`) values ('fizica','4');

insert into facultate(`IdStudent`, `IdDisciplina`,`sala`) values ('1','3','12');

insert into facultate(`IdStudent`, `IdDisciplina`,`sala`) values ('2','2','46');

insert into facultate(`IdStudent`, `IdDisciplina`,`sala`) values ('3','1','45');

/\*inner join Studentii care studiaza informatica\*/

/\*varianta 1\*/

select studenti.nume, studenti.prenume from studenti

inner join facultate on (facultate.IdStudent=studenti.IdStudent)

inner join disciplina on (facultate.IdDisciplina=disciplina.IdDisciplina)

where disciplina.denumire='informatica';

/\*varianta 2\*/

select studenti.nume, studenti.prenume from studenti, facultate, disciplina

where disciplina.denumire='informatica'and

facultate.IdStudent=studenti.IdStudent and

facultate.IdDisciplina=disciplina.IdDisciplina;

/\*produs cartezian\*/

select \* from studenti, disciplina;

/\*media nrOre\*/

select avg(`nrOre`) from disciplina;

/\*nr iregistrari\*/

select count(`IdStudent`) from studenti;

/\*nr minim\*/

select min(`nrOre`) from disciplina;

/\*nr max\*/

select max(`nrOre`) from disciplina;

/\*trigger\*/

delimiter //

create trigger trig before insert on disciplina

FOR EACH ROW

begin

declare mesaj varchar(45);

if newdenumire='romana' then

set mesaj='bla';

signal sqlstate '45000' set MESSAGE\_TEXT=mesaj;

end if;

end//

insert into disciplina(`denumire`,`nrOre`) values ('romana','4');

/\*procedura stocata\*/

delimiter $$

create procedure ps(out mesaj varchar(45), in nnume varchar(45), in nprenume varchar(45), in nadresa varchar(45))

begin

if nnume='Andrei' then

set mesaj='blabla';

signal sqlstate '45000' set MESSAGE\_TEXT=mesaj;

else

insert into studenti(`nume`, `prenume`,`adresa`) values (nnume,nprenume,nadresa);

end if;

end $$

call ps(@error, 'Andrei','George','Bucuresti');