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SAT3210

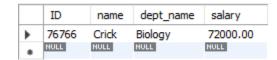
Assignment 2

October 10, 2021

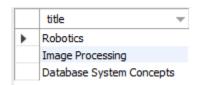
1.

2.

3. Select * from instructor where dept_name = 'Biology'



4. select title from Course where dept_name='Comp. Sci.' and credits=3;



5. select course_id , title from course inner join student on course.dept_name=student.dept_name where student.id= 76543;

	course_id	title
•	CS-101	Intro. to Computer Science
	CS-190	Game Design
	CS-315	Robotics
	CS-319	Image Processing
	CS-347	Database System Concepts

6. select name, title, credits as NumberOfCredits
from course inner join student on student.dept_name=course.dept_name
where id='76543' group by name, title, credits;

	name	title	NumberOfCredits
•	Brown	Intro. to Computer Science 4	
	Brown	Game Design	4
	Brown	Robotics	3
	Brown	Image Processing	3
	Brown	Database System Concepts	3

7. select name, title, credits, count(credits) as NumberOfCredits

from course inner join student on student.dept_name=course.dept_name group by name, title, credits;

(This table was a bit too big to display all the info in the MySQL window, so I saved it as a csv and screen capped that)

name	title	credits	NumberOfCredits
Tanaka	Intro. to B	4	1
Tanaka	Genetics	4	1
Tanaka	Computat	3	1
Zhang	Intro. to C	4	1
Shankar	Intro. to C	4	1
Williams	Intro. to C	4	1
Brown	Intro. to C	4	1
Zhang	Game Des	4	1
Shankar	Game Des	4	1
Williams	Game Des	4	1
Brown	Game Des	4	1
Zhang	Robotics	3	1
Shankar	Robotics	3	1
Williams	Robotics	3	1
Brown	Robotics	3	1
Zhang	Image Pro	3	1
Shankar	Image Pro	3	1
Williams	Image Pro	3	1
Brown	Image Pro	3	1
Zhang	Database	3	1
Shankar	Database	3	1
Williams	Database	3	1
Brown	Database	3	1
Aoi	Intro. to D	3	1
Bourikas	Intro. to D	3	1
Chavez	Investmer	3	1
Brandt	World His	3	1
Sanchez	Music Vid	3	1
Peltier	Physical P	4	1
Levy	Physical P	4	1
Snow	Physical P	4	1

8. select distinct name

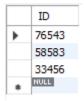
from student natural join takes natural join course

where course.dept_name = 'Comp. Sci.';



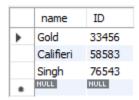
9. select ID from instructor

where ID not in (select ID from instructor natural join teaches)



10. select name, ID from instructor

where ID not in (select ID from instructor natural join teaches)



11. create table actors (

AID varchar(20),

name varchar(50),

primary key (AID));

create table movies (

MID varchar(20),

title varchar(50),

```
primary key (MID));
   create table actor_role (
    MID varchar(20),
    AID varchar(20),
    rolename varchar(30),
    primary key (MID,AID,rolename),
    foreign key (MID) references movies(MID),
    foreign key (AID) references actors(AID));
12. insert into actors values ('01','Charlie Chaplin');
   insert into movies values ('M1','Modern Times');
   insert into actor_role values ('M1','01','Factory Worker');
   insert into actors values ('02','Liam Neeson');
   insert into movies values ('M2', 'Schindlers List');
   insert into actor_role values ('M2','02','Schindler');
   insert into actors values ('03','Heath Ledge');
   insert into movies values ('M3', 'Brokeback Mountain');
   insert into actor_role values ('M3','03','Ennis Del Mar');
   insert into actors values ('04','M37401866');
   insert into movies values ('M4', 'SAT3210');
   insert into actor_role values ('M4','04','Student');
   insert into actors values ('05', 'Dan Castellaneta');
   insert into movies values ('M5','The Simpsons Movie');
   insert into actor_role values ('M5','05','Homer Simpson');
```

13. select name, title, count(rolename)

from actor_role natural join movies natural join actors

where name = 'Charlie Chaplin';

	name	title	count(rolename)
•	Charlie Chaplin	Modern Times	1

14. select name

from actors

where name not in (select distinct name from actor_role natural join actors);



Every actor I inserted into the table had been in a movie, so the query is returning nothing, like it should.

15. 3.3

a. update instructor set salary = salary*1.10

where dept_name = 'Comp. Sci.';

34634 17:39:17 update instructor set salary = salary*1.10 where dept_name = 'Comp. Sci.'

2 row(s) affected,

b. delete from course

where course_id not in (select course_id from section);

c. insert into instructor

select ID, name, dept_name, 100000

from student

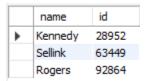
where tot_cred>100;

16. 3.24

select name,id from student

where dept_name like 'Accounting' and id

in (select s_id from advisor where i_id in (select id from instructor where dept_name like 'Physics'));



17. select d2.dept_name,d2.budget from department d1, department d2

where d1.dept_name='philosophy'

and d2.budget>d1.budget order by d2.dept_name desc;

The files you gave us to upload do not contain a Philosophy department, so the query returns an empty table

18.

19.

20.