# **joins**

CREATE TABLE basket\_a (

a INT PRIMARY KEY,

fruit\_a VARCHAR (100) NOT NULL

);

CREATE TABLE basket\_b (

b INT PRIMARY KEY,

fruit\_b VARCHAR (100) NOT NULL

);

INSERT INTO basket\_a (a, fruit\_a)

VALUES

(1, 'Apple'),

(2, 'Orange'),

(3, 'Banana'),

(4, 'Cucumber');

INSERT INTO basket\_b (b, fruit\_b)

VALUES

(1, 'Orange'),

(2, 'Apple'),

(3, 'Watermelon'),

(4, 'Pear');

# practice starts

Refer google

Week 3 practice questions

select teams.name from matches, teams

where matches.guest\_team\_id=teams.team\_id or matches.host\_team\_id=teams.team\_id

group by teams.name having count(teams.name)>3

Write an SQL statement to find the first name, last name of the faculty of the department

having department code as "ME" and who have issued at least one book,

such that there are no duplicate firstname-lastname pairs.

select distinct faculty\_fname,faculty\_lname,\* from faculty,book\_issue where faculty.department\_code='ME'

select distinct faculty\_fname,faculty\_lname from faculty,book\_issue as b, members as m

where faculty.department\_code='ME' and b.member\_no=m.member\_no and m.id=faculty.id

Write an SQL statement to find the number of book-titles issued on 11th August 2021.

[QQ 2 points]

select count(title) from book\_issue as b, book\_copies as bc, book\_catalogue as bc2

where b.doi= '2021-08-11' and b.accession\_no=bc.accession\_no and bc.isbn\_no=bc2.isbn\_no

Write an SQL statement to find the names of faculty (faculty fname, faculty lname) who

did not issue any book.

select f.faculty\_fname, f.faculty\_lname from faculty as f

except

select f.faculty\_fname, f.faculty\_lname from faculty as f, members as m1, book\_issue as b1

where f.id=m1.id and m1.member\_no=b1.member\_no

Write an SQL statement to find the unique book titles which are issued to “PG” students

but not to “UG” students.

select distinct bcc.title from students as s, members as mm, book\_issue as b, book\_copies as bc, book\_catalogue as bcc

where mm.member\_type='PG' and mm.member\_no =b.member\_no and

b.accession\_no=bc.accession\_no and bc.ISBN\_no=bcc.ISBN\_no

except

select distinct bcc.title from students as s, members as mm, book\_issue as b, book\_copies as bc, book\_catalogue as bcc

where mm.member\_no =b.member\_no and

b.accession\_no=bc.accession\_no and bc.ISBN\_no=bcc.ISBN\_no

and mm.member\_type='UG'

**week 3 graded ------------------------**

**/\***

**Write an SQL statement to find the name of the youngest player in the team named**

**“All Stars”.**

**select p.name from players p**

**where p.dob=**

**(**

**select max(p.dob) from players p inner join teams t**

**on p.team\_id =t.team\_id**

**where t.name='All Stars')**

**Write an SQL statement to find the match number of the match held on ‘2020-05-11’**

**and the name of the main referee who refereed that match.**

**Print match num first followed by respective main referee name.**

**Note: main referee is to be obtained from the ‘referee’ attribute.**

**select m.match\_num,r.referee from match\_referees r, matches m**

**where r.match\_num =m.match\_num and m.match\_date ='2020-05-11'**

**----------------------------**

**Write an SQL statement to find the book titles and the number of copies of the books**

**which has the word “Database” in their title.**

**select bcc.title,count(bc.isbn\_no) from book\_copies bc, book\_catalogue bcc**

**where bc.isbn\_no=bcc.isbn\_no**

**and bcc.title like '%Database%'**

**group by bcc.title**

**Write an SQL statement to find the names of teams that do not have any player with**

**jersey number (jersey no) 74.**

**select tt.name from teams tt**

**where tt.team\_id!=**

**(select team\_id from players p**

**where p.jersey\_no=74)**

**Write an SQL statement to find student fname and student lname of all students who**

**have issued at least one book.**

**select s.student\_fname,s.student\_lname from students s**

**where roll\_no in**

**(select m.roll\_no from book\_issue b, members m**

**where b.member\_no=m.member\_no)**

**\*/**