

<p style="text-align: center;">BSCCS2001: SQL Query Graded Questions Week 3</p>

1. 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. [QQ: 4 points]

[Database: FLIS]

Solution:

```
select match_num,name from referees
inner join match_referees on referees.referee_id=match_referees.referee
inner join matches using(match_num)
where match_date='2020-05-11';
```

2. Write an SQL statement to find the name of the youngest player in the team named "All Stars".

[Database: FLIS]

[QQ 4 points]

Solution:

```
select pl1.name
from players pl1, teams te1
  where te1.team_id = pl1.team_id and te1.name = 'All Stars'
and pl1.dob = (
  select max(pl2.dob)
  from players pl2, teams te2
  where te2.team_id = pl2.team_id and te2.name = 'All Stars'
);
```

3. Write an SQL statement to find the names of teams that do not have any player with jersey number (*jersey_no*) 74. [QQ 4 points]

[Database: FLIS]

Solution:

```
select name
from teams where team_id in
    ((select team_id from teams)
    except
    (select distinct team_id
    from players
    where jersey_no = 74));
```

4. Write an SQL statement to find student_fname and student_lname of all students who have issued at least one book. [QQ 4 points]

[Database: LIS]

Solution:

```
select student_fname, student_lname
from students
where roll_no in
    (select roll_no
    from members a, book_issue b
    where a.member_no=b.member_no
    );
```

5. 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. [QQ 4 points]

[Database: LIS]

Solution:

```
select title, count(*)
from book_catalogue b1 join book_copies b2
on b1.isbn_no = b2.isbn_no
where title like '%Database%' group by title;
```