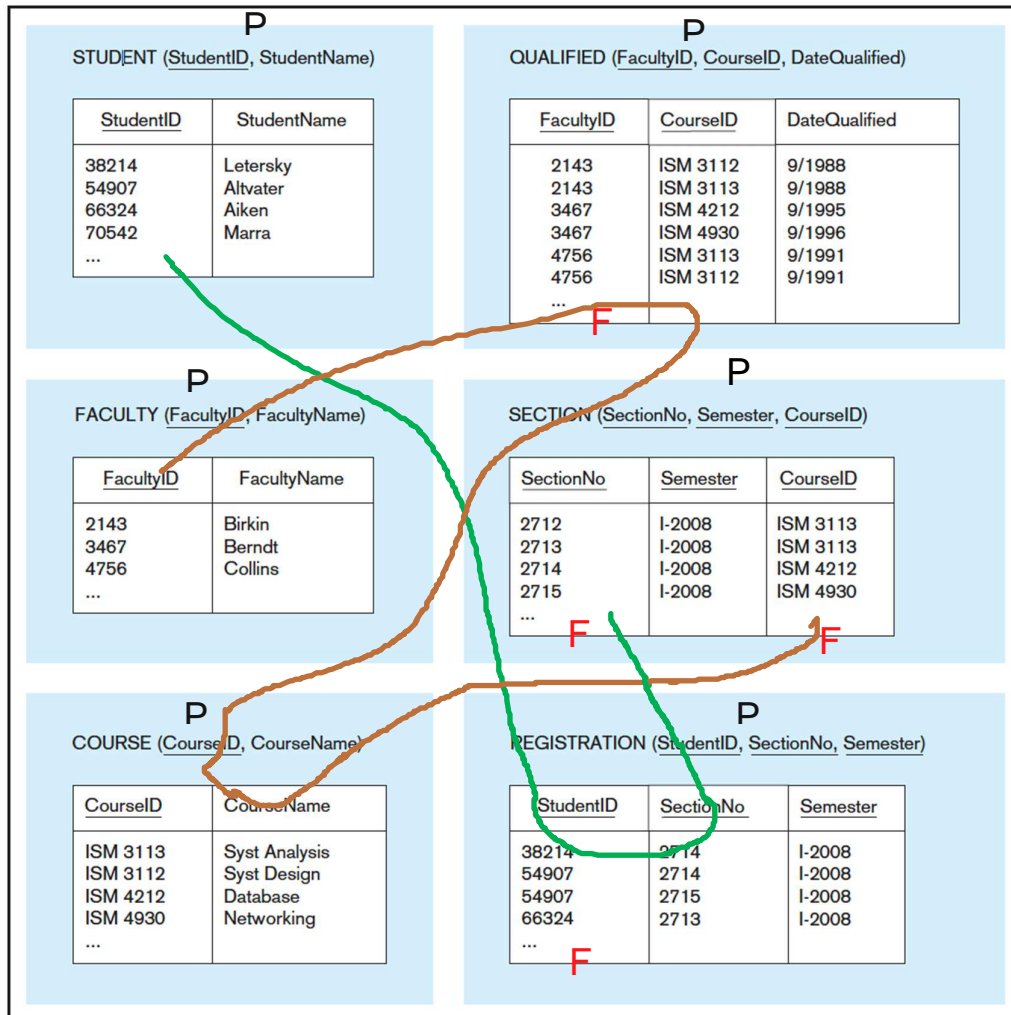


HOMEWORK 2

EXERCISE 1:

Given following diagram, write SQL query based on diagram given



- Display the course ID and course name for all courses with an ISM prefix.
- Display courses information for which Professor Berndt has been qualified.
- Write an SQL query to answer the following question: Which faculty are qualified to teach ISM 3113?
- Write an SQL query to answer the following question: Is any faculty qualified to teach ISM 3113 and not qualified to teach ISM 4930?
- Write SQL queries to answer the following questions:
 - ❖ How many students were enrolled in section 2714 during semester I-2008?
 - ❖ How many students were enrolled in ISM 3113 during semester I-2008?
- Write an SQL query to answer the following question: Which students were not enrolled in any courses during semester I-2008?

HOMework 2

EXERCISE 2:

- A. Write the SQL command to add 'MATH SCORE' to the STUDENT table.
- B. How many tutors have a status of Temp Stop? Which tutors are active?
List the tutor information who took the certification class in January.
- C. How many students were begin matched with someone in the first 5 months of the year?
(StartDate in the first 5 months of the year)
- D. List students ranking from max Read Score to min Read Score? Which student has highest read score.

TUTOR (TutorID, CertDate, Status)

TutorID	CertDate	Status
100	1/05/2008	Active
101	1/05/2008	Temp Stop
102	1/05/2008	Dropped
103	5/22/2008	Active
104	5/22/2008	Active
105	5/22/2008	Temp Stop
106	5/22/2008	Active

MATCH HISTORY (MatchID, TutorID, StudentID, StartDate, EndDate)

MatchID	TutorID	StudentID	StartDate	EndDate
1	100	3000	1/10/2008	
2	101	3001	1/15/2008	5/15/2008
3	102	3002	2/10/2008	3/01/2008
4	106	3003	5/28/2008	
5	103	3004	6/01/2008	6/15/2008
6	104	3005	6/01/2008	6/28/2008
7	104	3006	6/01/2008	

STUDENT (StudentID, Read)

StudentID	Read
3000	2.3
3001	5.6
3002	1.3
3003	3.3
3004	2.7
3005	4.8
3006	7.8
3007	1.5

TUTOR REPORT (MatchID, Month, Hours, Lessons)

MatchID	Month	Hours	Lessons
1	6/08	8	4
4	6/08	8	6
5	6/08	4	4
4	7/08	10	5
1	7/08	4	2

Handwritten annotations: 'P' is written next to TutorID 100 in the TUTOR table and next to MatchID 1 in the MATCH HISTORY table. 'F' is written next to MatchID 1 in the MATCH HISTORY table and next to MatchID 7 in the MATCH HISTORY table. 'T' is written next to MatchID 4 in the TUTOR REPORT table. Arrows indicate relationships: from TutorID 100 to MatchID 1, from MatchID 1 to StudentID 3000, from MatchID 7 to StudentID 3006, and from MatchID 4 to MatchID 1 in the TUTOR REPORT table.