به نام خدا

نام : عماد

نام خانوادگی : آقاجانی

شماره دانشجویی : ۸۸۵۲۱۳۴۴

تکلیف شماره ۲

توضیحات :

برای راحتی خواندن کد ها، تمام کد ها بدون هیچ توضیحی در فایلی جدا به اسم `sql.`... هم قرار داده شده ☺

اونجوری با ++Notepad یا هرچیز دیگهه میتونین رنگی مطالعه کنین و راجت تر متوجه بشین چیکار کردم ..

Select Student·sname

From Stundet, Reg

Where Stundet·sNo=Reg·sNo

AND Reg·year <> 1390

Select Student·sname

From Stundet INNER JOIN Reg ON Stundet·sNo=Reg·sNo

Where Reg·year <> 1390

Select Student·sname

From Student INNER JOIN

    (Select DISTINCT sNo

    From Reg

    minus Select DISTINCT sNo

    From Reg

Where year=1390) as Temp ON Student·sNo = Temp·sNo

سوال ۲)

Select Student.sname

From Stundet INNER JOIN Reg ON Stundet.sNo=Reg.sNo

Where (Reg.year=1389 OR Reg.year=1390) ;

سوال ۳)

Select Class.cName, AVG(Score)

From Class INNER JOIN Score ON Score.cNo=Class.cNo

Group By Class.cName

سوال ۴)

Select courseName, AVG(Score)

From Score

Group By courseName

سوال ۵)

Select Teacher.tName, AVG(Score.score)

From Score ,Class, Teacher

Where Score.cNo=Class.cNo AND Class.tNo=Teacher.tNo

Group By Teacher.tNo

سوال۶)

درس ها بهمراه شماره کلاسی که بالاترین معدل توی اون درس رو دارن..

Select Temp.courseName, Temp.cNo

From (Select courseName, cNo, AVG(Score) as avgC

        From Score

        Group By courseName, cNo) as Temp, (Select Temp.courseNam
MAX(Temp.avgC) as maxC

                                                    From Temp

                                                    Group By

Temp.courseName) as Temp2

Where Temp.courseName=Temp2.courseName AND
Temp.avgC=Temp2.maxC

جواب کامل (شامل نام معلم ها)

Select Teacher.tName

From Teacher, Class (Select courseName, cNo, AVG(Score) as avgC

        From Score

        Group By courseName, cNo) as Temp, (Select Temp.courseNam
MAX(Temp.avgC) as maxC

                                                    From Temp

                                                    Group By

Temp.courseName) as Temp2

Where Temp.courseName=Temp2.courseName AND
Temp.avgC=Temp2.maxC

AND Class.cNo=Temp.cNo AND Class.tNo=Teacher.tNo

سوال ۷)

Select DISTINCT Teacher.tName, Student.sName

From Student, Reg, Class, Teacher

Where Student.sNo=Reg.sNo AND Reg.cNo=Class.cNo AND
Class.tNo=Teacher.tNo

Order By Teacher.tName ASC, Student.sName ASC

سوال ۸)

Select Teacher.tName, Student.sName

From Student, Reg, Class, Teacher

Where Student.sNo=Reg.sNo AND Reg.cNo=Class.cNo AND
Class.tNo=Teacher.tNo

Group By Teacher.tName, Student.sName

Having Count(*)>1

سوال ۹)

Select Student.sName, Score.score, Temp.avgC

From Student, Score, (Select sNo, AVG(score) as avgC

          From Score

          Group By sNo) as Temp

Where Student.sNo=Score.sNo AND Score.sNo=Temp.sNo

Order By Student.sName

Select Student.sName

From Student,Reg

Where Student.sNo=Reg.sNo AND Not Exist (Select *

From Score

Where

Reg.cNo=Score.cNo

AND

Reg.sNo=Score.sNo

AND

Reg.year=Score.year)

سوال ۱۱)

راه اول:

I)

Select tName

From Teacher, Class

Where Teacher.tNo=Class.tNo

AND Not Exist (Select * From Score

Where Class.cNo=Score.cNo)

راه دوم:

II)

Select tNo

From Teacher,Class

Where Teacher.tNo=Class.tNo

minus Select Distinct tNo

   From Score

با تشکر

اگه کم و کسری داشت دیگه شما ببخشید

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