**به نام خدا**

نام : عماد

نام خانوادگی : آقاجانی

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تکلیف شماره 2

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 ..

سوال 1)

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 2)

Select Student.sname

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

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

سوال 3)

Select Class.cName, AVG(Score)

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

Group By Class.cName

سوال 4)

Select courseName, AVG(Score)

From Score

Group By courseName

سوال 5)

Select Teacher.tName, AVG(Score.score)

From Score ,Class, Teacher

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

Group By Teacher.tNo

سوال6)

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.courseName, 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.courseName, 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 7)

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 8)

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 9)

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

سوال 10)

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 11)

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

=)