متین برهانی - ۹۵۲۶۷۰۳ تمرین ۶ SQL

سوال اول:

```
□alter table Taken_Courses
 add Term As (CONCAT(CONVERT(NVARCHAR(20), YEAR), ' ', Semester))
```

	Results	■ Mess	ages					
	ID	StudentID	CourseID	Semester	Year	Grade	TotalCredits	Term
1	1	9624897	50	fall	2020	18	18	2020 fall
2	2	9423642	51	fall	2020	15	15	2020 fall
3	9	9219603	51	spring	2020	19	19	2020 spring
4	10	9624897	51	fall	2020	14	14	2020 fall
5	11	9624897	52	fall	2020	18	18	2020 fall
6	12	9624897	53	fall	2020	9	9	2020 fall
7	19	9608097	57	fall	2020	7	7	2020 fall
8	21	9354698	57	fall	2020	10	10	2020 fall
9	22	9354698	58	fall	2020	9	9	2020 fall
10	23	9354698	59	fall	2020	12	12	2020 fall
11	24	9542361	54	fall	2020	20	20	2020 fall

سوال دوم

تابع تعریف شده

```
⊨alter table Taken_Courses
   add TotalGrade AS dbo.TotalGrade(ID)
Results Messages
                                                   TotalGrade
    ID StudentID CourseID Semester Year Grade Term
   2 9423642 51
                       fall
                               2020 15
                                          2020 fall
                                                    45
    9 9219603 51
                               2020 19
                                         2020 spring
                       spring
    10 9624897 51
                               2020 14
                                          2020 fall
                       fall
                                                    42
                    fall
   11 9624897 52
                               2020 18
    12 9624897 53
                               2020 9
                                          2020 fall
                                                    27
    19 9608097 57
                               2020 7
                                          2020 fall
   21 9354698 57
                       fall
                               2020 10
                                          2020 fall
                                                    30
   22 9354698 58
                       fall
                               2020 9
                                          2020 fall
                                                    27
                           2020 12
   23 9354698 59
10
                       fall
                                          2020 fall
                                                    36
   24 9542361 54
                       fall
11
                              2020 20
                                          2020 fall
                                                    60
                                                   57
   25 9542361 55
                             2020 19
                                          2020 fall
12
                      fall
```

نتيجه تابع

سوال سوم:

select FirstName,LastName,ROW_NUMBER() OVER (ORDER BY BirthDay) as PartitionBirthDay

,ID,DepartmentID,Salary

from Teachers

III	Results	Messages				
	First Name	LastName	Partition Birth Day	ID	DepartmentID	Salary
1	Ali	Mahdavi	1	1225039	22522	7080000.00
2	Mehdi	Ahmadi	2	1224503	22522	9020000.00
3	Mehdi	Salari	3	1224509	22523	9720000.00
4	Ali	Rezaei	4	1224508	22012	8724500.00
5	Fateme	MiriShamsi	5	1220985	22025	7228000.00