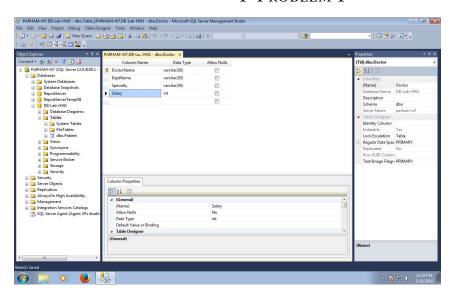
# In The Name of God Computer Engineering Department of Amirkabir University of Technology

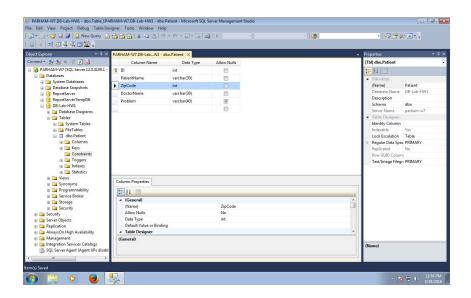
## Database Lab Homework - 1

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## 1 PROBLEM 1





#### 2 PROBLEM 2

#### 3 PROBLEM 3

#### 3.1 A

Functions are computed values and cannot perform permanent environmental changes to SQL Server (i.e. no INSERT or UPDATE statements allowed).

A Function can be used inline in SQL Statements if it returns a scalar value or can be joined upon if it returns a result set.

Statements that return a result set can be used within a stored procedure but not within a stored function.

#### 4 Problem 4

```
CREATE TRIGGER DoctorInsertDelete

ON Doctor

AFTER INSERT, DELETE

AS

INSERT INTO DoctorLog SELECT inserted.*, 'Insert' FROM inserted;
INSERT INTO DoctorLog SELECT deleted.*, 'Delete' FROM deleted;
```