

SQL SERVER 2016 Project

Employee Position & Grade Tracking

Project Scenario

You have to design a database normalized to 3NF based on the description below.
You are required to develop a **part** of the HR database for a company.

An employee is recruited in a department with a certain designation and grade. As an employee goes on serving, his designation and/or grade is promoted based on performance and company rules. The company wants to track the grade and designation of the company.

A sample data is available for better understanding

Employee record

Employee Name	Department	Joining Date	Email	Phone
Rahmatullah Muzahid	Accounts	2017-07-01	rmuzahid@gmail.com	01934675987
Kaiser Faisal	Admin	2017-01-01	faisal@gmail.com	01934612612
Azad Ahmed	Accounts	2018-03-01	azad@yahoo.com	01751123123

Employee Grade History

Employee	Grade	Start Date	End Date
Rahmatullah Muzahid	G02	2017-07-01	2018-06-30
Rahmatullah Muzahid	G01	2018-07-01	2019-06-30
Rahmatullah Muzahid	M03	2019-07-01	

Employee Designation History

Employee	Designation	Start Date	End Date
Rahmatullah Muzahid	Accounts Assistant	2017-07-01	2018-06-30
Rahmatullah Muzahid	Accountant	2018-07-01	2019-06-30
Rahmatullah Muzahid	Assistant Accounts Manager	2019-07-01	

Some key implementation requirements:

- A new employee must be registered with a designation and a grade. It must be implemented in procedural ways

-
- Device a way to promote employee designation and grade. When an employee is promoted to a new grade his current grade has to be ended on the previous day of the new grade start date
 - The same rule applies to an employee's designation change
 - There is a procedural way to get an employee's current designation and grade

You must use views, stored procedures, all types of UDF, triggers.