# Systems Design and Databases (CIS1018-N) TSQL Tutorial 9: Using DML to modify Data

## Before You Start

Finish the previous tutorials before attempting this one. Try to complete this set of tasks before your next tutorial.

**Hint:** It is important before start the lab, you should walk-through lecture(s) and demonstration exercises

## Introduction

You are a database developer and need to create DML statements to update data in the database to support the website development team. The team need T-SQL statements that they can use to carry out updates to data, based on actions performed on the website. You will supply template DML statements that they can modify to their specific requirements.

## Sorting and Filtering Data

* Exercise 1: Inserting Records with DML
* Exercise 2: Update and Delete Records Using DML

## Exercise 1: Inserting Records with DML

**Task 1:**

* Write an INSERT statement to add your Group member names and one more with listed as below value to the Employees table:
  + Title: Sales Representative
  + Titleofcourtesy: Mr
  + FirstName: Laurence
  + Lastname: Grider
  + Hiredate: 04/04/2016
  + Birthdate: 10/25/1975
  + Address: 1234 1st Ave. S.E.
  + City: Seattle
  + Country: USA
  + Phone: (206)555-0105

|  |
| --- |
| -- Insert Query here |
| USE TSQL; |

|  |
| --- |
| **Possible Result of Query** |
| Select \* From HR.Employees where lastname = 'Grider' |

## Exercise 2: Update and Delete Records Using DML

**Task 1:**

* Update the city as London of ‘**Laurence Grinder’**

|  |
| --- |
| -- Insert Query here |
| USE TSQL; |

|  |
| --- |
| **Possible Result of Query** |
| Select \* From HR.Employees where lastname = 'Grider' |

**Task 2:**

* Update the contacttitle as **'Sales Consultant'**. It is important that city should be 'Berlin' and contacttitle should be 'Sales Representative'. Use table Sales.Customers

|  |
| --- |
| -- Insert Query here |
| USE TSQL; |

|  |
| --- |
| **Possible Result of Query** |
| select \* from sales.customers where city = 'berlin'    select \* from sales.customers where city = 'berlin' |

**Task 3:**

* Delete record where lastname is Grider or any name you entered

|  |
| --- |
| -- Insert Query here |
| USE TSQL; |

|  |
| --- |
| **Possible Result of Query** |
| No record found, where lastname is ‘Grider’ |

## Document History

Prepared by Dr Yar Muhammad,   
Revision 0. (05-Sep-22): This is the initial version of the 2022/23 exercise.