Scenarios

* Demonstrate a new employee created with create date / by populated. Return value should be IDENTITY value EmployeeID.---- done
* In this scenario, I create an employee named John doe. The create time shows and the modify is null
* Screen shot: employee id = 3

A computer screen shot of a computer

Description automatically generated

* Demonstrate an employee updated with modify date / by are populated--- done
  + I am updating the employee with id = 1 with new information.
  + Before update

A computer screen shot of a computer

Description automatically generated

* + After update

A computer screen with a white screen

Description automatically generated

* Demonstrate a new employee that violates business rules for our table.
  + Here I inputed incorrect values
* DECLARE @LastName VARCHAR(50) = 'Smith';
* DECLARE @FirstName VARCHAR(50) = 'John';
* DECLARE @MiddleInitial CHAR(1) = 'Mf';
* DECLARE @DOB DATE = '2024-05-15';
* DECLARE @EmployeeNumber VARCHAR(20) = 'S123456';
* DECLARE @Gender CHAR(1) = 'MM';
* DECLARE @SSN VARCHAR(11) = '123456789'; duplicate ssn
  + DO THIS FOR ALL Columns except for the following
    - EmployeeID
    - Create Date / By
    - Modify Date / By
* Demonstrate deleting an employee is NOT a physical, but a logical delete.
  + Here I deleted the employee with id 1 and the active flag is now 0

A computer screen with text

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* Demonstrate an employee update that violates business rules for our table.
  + Here I attempt to update an employee with the wrong information
  + DECLARE @EmployeeIDToUpdate INT = 1; -- Replace with an existing EmployeeID
  + DECLARE @UpdatedLastName VARCHAR(50) = Null;
  + DECLARE @UpdatedFirstName VARCHAR(50) = '';
  + DECLARE @UpdatedMiddleInitial CHAR(1) = 'OB';
  + DECLARE @UpdatedDOB DATE = '2024-08-20';
  + @UpdatedEmployeeNumber VARCHAR(20) = 'L654321';
  + DECLARE @UpdatedGender CHAR(1) = 'N';
  + DECLARE @UpdatedSSN VARCHAR(11) = '987654321';
  + Result:

(1 row affected)

Msg 50002, Level 16, State 1, Procedure usp\_UpdateEmployee, Line 43 [Batch Start Line 0]

Invalid Employee Date of Birth.

Msg 515, Level 16, State 2, Procedure usp\_UpdateEmployee, Line 62 [Batch Start Line 0]

Cannot insert the value NULL into column 'EmployeeLastName', table 'HumanResources.dbo.tblEmployee'; column does not allow nulls. UPDATE fails.

Msg 50003, Level 16, State 1, Procedure usp\_UpdateEmployee, Line 51 [Batch Start Line 0]

Invalid Employee Number.

Tblerror table

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* + DO THIS FOR ALL Columns except for the following
    - EmployeeID
    - Create Date / By
    - Modify Date / By
* Demonstrate that employee history is populated as employee record CRUD operations are performed.
  + Here my employee information is being populated to the table

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