

Fundamentos de programación con SQL Server 2019

Módulo 07 – Resolución del desafío

Resolución del ejercicio 1

```
1. DECLARE @Error INT
   INSERT INTO HumanResources.Department(DepartmentID, Name, GroupName, ModifiedDate)
       VALUES (1, 'Engineering', 'Research and Development', GETDATE());
   SET @Error = @@ERROR
   IF @Error > 0 BEGIN
       PRINT @Error
   END
```

Resolución del ejercicio 2

```
1. BEGIN TRAN
    INSERT INTO dbo.Demo(Id, Name)
        SELECT ProductID, Name FROM Production.Product
        WHERE ListPrice > 3000
COMMIT TRAN
GO
```



```
2. BEGIN TRAN
    INSERT INTO dbo.Demo(ID, Name)
    SELECT ProductID, Name FROM Production.Product
        WHERE ListPrice BETWEEN 1000 AND 1100
    IF @@ROWCOUNT < 15
    ROLLBACK TRAN
    ELSE
    COMMIT TRAN
    SELECT * FROM Demo
GO
```



```
3. BEGIN TRANSACTION
BEGIN TRY
    DELETE FROM Production.Product
    WHERE ProductID = 980
END TRY
BEGIN CATCH
    SELECT ERROR_NUMBER() ErrorNumber, ERROR_PROCEDURE() ErrorProcedure,
           ERROR_LINE() ErrorLine, ERROR_MESSAGE() ErrorMessage
    IF @@TRANCOUNT > 0
        ROLLBACK TRANSACTION
END CATCH
IF @@TRANCOUNT > 0
    COMMIT TRANSACTION
```

Resolución del ejercicio 3

```
1. CREATE OR ALTER PROCEDURE prGetEmployee @employeeid INT AS
BEGIN TRY
    IF (SELECT COUNT(*) FROM HumanResources.Employee e
        WHERE BusinessEntityID = @employeeid) = 0
        THROW 50001, 'Legajo inexistente', 1
    SELECT BusinessEntityID Legajo, JobTitle Cargo, MaritalStatus EstCivil,
        Gender Género
    FROM HumanResources.Employee e
    WHERE BusinessEntityID = @employeeid
END TRY
BEGIN CATCH
    SELECT SUSER_SNAME() Usuario, ERROR_LINE() Línea,
        CAST(ERROR_NUMBER() AS CHAR) + ' ' + ERROR_MESSAGE() Error,
        ERROR_PROCEDURE() Procedimiento, GETDATE() Hora
END CATCH
GO
```

¡Terminaste el módulo!
Estás listo para rendir el examen