**Laboratorio de Bases de Datos Distribuidas**

**Grupo No.:** 9

**Integrantes:**

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**Tema: Diseño e Implementación Distribuida (CG)**

Script:  
sp\_help estudiante

-- ESQUEMA DE REPLICACION

CREATE DATABASE SIS

GO

USE SIS

CREATE TABLE Facultad (

idfac char(3) not null,

nombre varchar(50) not null,

telef char(10) not null

);

CREATE TABLE Estudiante\_Dir (

cc char(10) not null,

dir varchar(50) not null

);

CREATE TABLE Estudiante\_SIS (

cc char(10) not null,

numunic char(10) not null,

nombre varchar(50) not null,

apellido varchar(50) not null,

idfac char(3) not null

);

CREATE TABLE Materia\_SIS (

idmat char(3) not null,

nommat varchar(50) not null,

horassemana tinyint not null,

idfac char(3) not null

);

CREATE TABLE Matricula\_SIS (

cc char(10) not null,

idmat char(3) not null,

idfac char(3) not null,

fechamt date not null,

valorpag numeric(7, 2) not null

);

ALTER TABLE Facultad ADD CONSTRAINT pk\_idfac PRIMARY KEY (idfac);

ALTER TABLE Materia\_SIS ADD CONSTRAINT pk\_idmat PRIMARY KEY (idmat, idfac);

ALTER TABLE Materia\_SIS ADD CONSTRAINT fk\_idfacmatSIS FOREIGN KEY (idfac) REFERENCES Facultad(idfac);

ALTER TABLE Matricula\_SIS ADD CONSTRAINT pk\_cc\_idmat\_idfac PRIMARY KEY (cc, idmat, idfac);

ALTER TABLE Matricula\_SIS ADD CONSTRAINT fk\_cc\_idfac FOREIGN KEY (cc, idfac) REFERENCES Estudiante\_SIS(cc, idfac);

ALTER TABLE Matricula\_SIS ADD CONSTRAINT fk\_idmat\_idfac FOREIGN KEY (idmat, idfac) REFERENCES Materia\_SIS(idmat, idfac);

ALTER TABLE Estudiante\_SIS ADD CONSTRAINT pk\_cc\_idfac PRIMARY KEY (cc, idfac);

ALTER TABLE Estudiante\_SIS ADD CONSTRAINT fk\_idfacestSIS FOREIGN KEY (idfac) REFERENCES Facultad(idfac);

-- RECUPERAR DATOS

INSERT INTO SIS.dbo.Facultad

SELECT \* FROM Facultades.dbo.Facultad;

INSERT INTO SIS.dbo.Estudiante\_Dir

SELECT cc, dir FROM Facultades.dbo.estudiante;

INSERT INTO SIS.dbo.Estudiante\_SIS

SELECT cc, numunic, nombre, apellido, idfac FROM Facultades.dbo.estudiante

WHERE idfac = 'SIS';

INSERT INTO SIS.dbo.Materia\_SIS

SELECT \* FROM Facultades.dbo.materia

WHERE idfac = 'SIS';

INSERT INTO SIS.dbo.Matricula\_SIS

SELECT cc, idmat, 'SIS', fechamt, valorpag FROM Facultades.dbo.matricula AS mfac

WHERE (SELECT idfac FROM Facultades.dbo.estudiante AS efac

WHERE mfac.cc = efac.cc) = 'SIS';

SELECT \* FROM SIS.dbo.Estudiante\_Dir;

SELECT \* FROM SIS.dbo.Estudiante\_SIS;

SELECT \* FROM SIS.dbo.Materia\_SIS;

SELECT \* FROM SIS.dbo.Matricula\_SIS;

SELECT \* FROM SIS.dbo.Facultad;

**Capturas:**

Captura de consulta:

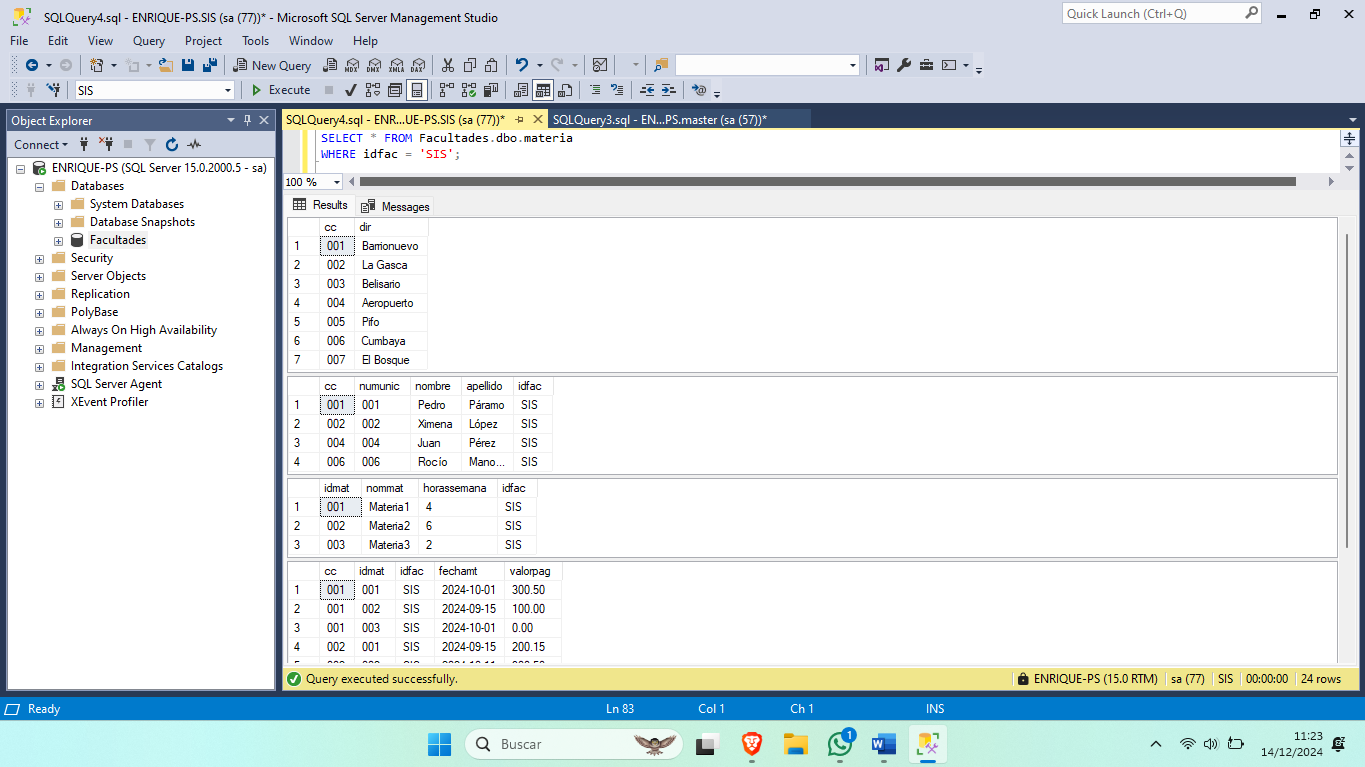


Diagrama:

