INSTITUTO POLITECNICO NACIONAL

Unidad Profesional Interdisciplinaria de Ingeniería y Ciencias Sociales y Administrativas

Alumno

Hernández Diaz Kevin Daniel

Materia

Administración de Base de Datos

Boleta

20150120502

Secuencia

4NV70

Profesor

Francisco Javier Pingarrón Morales

Trabajo: Evidencias 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25

**EVIDENCIA 14**

select rfc, rtrim(nombre) + ' ' + rtrim(papellido) + ' ' + rtrim(sapellido) as 'Nombre completo', nomdep from profesor

inner join Departamento on profesor.iddep = Departamento.iddep

where nombre like 'Ma%'

**EVIDENCIA 15**

select a.idmateria, b.nommateria, count(boleta) as 'Alumnos inscritos' from kardex as a

inner join materia as b on a.idmateria = b.idmateria

where b.Estado = 'A'

group by a.idmateria, b.nommateria

**EVIDENCIA 16**

select a.boleta, rtrim(b.nombre) + ' ' + rtrim(b.papellido) + ' ' + rtrim(b.sapellido) as 'Nombre completo',

b.idcarrera, c.nomcarrera, d.idmateria, d.nommateria, d.semestre, e.idgrupo, f.rfc, g.nombre from kardex as a

inner join alumno as b on a.boleta = b.boleta

inner join carrera as c on b.idcarrera = c.idcarrera

inner join materia as d on a.idmateria = d.idmateria

inner join secuencia as e on d.idmateria = e.idmateria

inner join PeriodoActual as f on d.idmateria = f.idmateria

inner join profesor as g on f.rfc = g.rfc

where b.Estado = 'A'

order by b.nombre

**EVIDENCIA 17**

select b.nomcarrera, a.boleta, rtrim(c.nombre) + ' ' + rtrim(c.papellido) + ' ' + rtrim(c.sapellido) as 'Nombre completo',

d.semestre, sum(d.nocreditos) from kardex as a

inner join carrera as b on a.estado = b.estado

inner join alumno as c on a.boleta = c.boleta

inner join materia as d on a.idmateria = d.idmateria

where a.estado = 'A'

group by b.nomcarrera, d.semestre, c.nombre, c.papellido, c.sapellido, a.boleta

**EVIDENCIA 18**

select rtrim(nombre) + ' ' + rtrim(papellido) + ' ' + rtrim(sapellido) as 'Nombre alumno' from alumno

union all

select rtrim(nombre) + ' ' + rtrim(papellido) + ' ' + rtrim(sapellido) as 'Nombre profesor' from profesor

order by [Nombre alumno]

**EVIDENCIA 19**

Create view VL\_MateriaCarrera

(VL\_IDMateria, VL\_NomMateria, VL\_Semestre, VL\_IDCarrera)

AS SELECT IDMateria, nommateria, semestre, IDCarrera

from Materia

where IDCarrera = 'F' or IDCarrera = 'E'

select \* from VL\_MateriaCarrera

**EVIDENCIA 20**

BEGIN transaction EJ\_Profesor

INSERT INTO Profesor

(RFC, Nombre, PApellido, SApellido, Direccion, Telefono, Estado, IDDep)

Values

('DISD240102G25', 'Poncho', 'Almeja', 'Castilla', 'Av miguel hidalgo', '1234123499', 'A', 01),

('VASM123456R78', 'Vicencio', 'Almeja', 'Luna', 'Col Centro Zapata', '9876123450', 'A', 02)

Save transaction insertados

select \* from Profesor

ROLLBACK transaction

COMMIT transaction

**EVIDENCIA 21**

DECLARE @IDMat char(5),@NomMat char(30), @creditos decimal(4,2), @semestre decimal(2,0), @estado char(1), @IDCarrera char(1)

DECLARE CurMat CURSOR

for

select IDMateria, NomMateria, NoCreditos, Semestre, Estado, IDCarrera from Materia

OPEN CurMat

FETCH CurMat into @IDMat, @NomMat, @creditos, @semestre, @estado, @IDCarrera

While(@@FETCH\_STATUS = 0)

BEGIN

print @IDMat

print @NomMat

print @semestre

print @IDCarrera

FETCH CurMat into @IDMat, @NomMat, @creditos, @semestre, @estado, @IDCarrera

END

CLOSE CurMat

DEALLOCATE CurMat

**EVIDENCIA 22**

DECLARE @IDMateria char(5),@NomMat char(30), @semestre decimal(2,0), @creditos decimal(4,2), @IDCarrera char(1)

DECLARE CurMat CURSOR

for

select IDMateria, NomMateria, Semestre, NoCreditos, IDCarrera from Materia

WHERE IDCarrera = 'E'

order by Semestre

OPEN CurMat

FETCH CurMat into @IDMateria, @NomMat, @semestre, @creditos, @IDCarrera

While(@@FETCH\_STATUS = 0)

BEGIN

print @IDMateria

print @NomMat

print @semestre

print @creditos

print @IDCarrera

print '-----------------------'

FETCH CurMat into @IDMateria, @NomMat, @semestre, @creditos, @IDCarrera

END

CLOSE CurMat

DEALLOCATE CurMat

**EVIDENCIA 23** esta tarda en ejecutar 1min más o menos, desconozco el por qué, pero ejecuta

DECLARE @IDMateria char(5),@NomMat char(30), @semestre decimal(2,0), @IDCarrera char(1), @RFC char(13), @IDGrupo char(4), @NomP char(30), @PAP char(30), @SAP char(30)

DECLARE CurMat CURSOR

for

select a.IDMateria, a.NomMateria, a.Semestre, a.IDCarrera, b.RFC, c.IDGrupo, b.Nombre, b.PApellido, b.SApellido from Materia as a, Profesor as b, Secuencia as c

order by a.IDCarrera

OPEN CurMat

FETCH CurMat into @IDMateria, @NomMat, @semestre, @IDCarrera, @RFC, @IDGrupo, @NomP, @PAP, @SAP

While(@@FETCH\_STATUS = 0)

BEGIN

print @IDGrupo

print @IDMateria

print @NomMat

print @semestre

print @RFC

print @NomP

print @PAP

print @SAP

print '-----------------------'

FETCH CurMat into @IDMateria, @NomMat, @semestre, @IDCarrera, @RFC, @IDGrupo, @NomP, @PAP, @SAP

END

CLOSE CurMat

DEALLOCATE CurMat

**EVIDENCIA 24**

create table ALU\_BITA

(Bol\_ant char(8),

nom\_ant char(30),

pape\_ant char(30),

sape\_ant char(30),

sexo\_ant char(1),

fna\_ant decimal(8),

carr\_antr char(1),

nom\_nvo char(30),

pape\_nvo char(30),

sexo\_nvo char(1),

fna\_nvo decimal(8),

carr\_nvo char(1),

Fechor datetime,

primary key (Bol\_ant,Fechor))

create trigger trg\_u\_alu

on Alumno

for update

as

begin

declare @Bol\_ant char(8),

@nom\_ant char(30),@pape\_ant char(30),

@sape\_ant char(30),@sexo\_ant char(1),

@fna\_ant decimal(8),@carr\_antr char(1),

@nom\_nvo char(30),@pape\_nvo char(30),

@sexo\_nvo char(1),@fna\_nvo decimal(8),

@carr\_nvo char(1),@Fechor datetime

select @Bol\_ant = Boleta, @nom\_ant = Nombre,

@pape\_ant = PAPellido,@sape\_ant = SAPellido,

@sexo\_ant = Sexo, @fna\_ant = FechaNac,

@carr\_antr = IDCarrera from deleted

select @nom\_nvo = Nombre, @pape\_nvo = PAPellido,

@sexo\_ant = sexo, @fna\_nvo = FechaNac,

@carr\_nvo = IDCarrera, @Fechor = GETDATE() from inserted

insert into ALU\_BITA

values(@Bol\_ant, @nom\_ant, @pape\_ant , @sape\_ant, @sexo\_ant , @fna\_ant,@carr\_antr,@nom\_nvo, @pape\_nvo,

@sexo\_ant, @fna\_nvo,

@carr\_nvo, @Fechor)

end

select \* from Alumno

select \* from ALU\_BITA

update Alumno set Boleta = '1111G378', Nombre ='Kevin', PApellido = 'Hernández', SAPellido = 'Diaz', Sexo = 'M', FechaNac=06081999, IDCarrera='E'

where Boleta = 'INSERTAR BOLETA AQUI'

**EVIDENCIA 25**

\*Esta mal \*

create table CREDITO\_TOTAL

(Boleta char(8), Creditos decimal(8,2)

primary key (Boleta))

CREATE trigger trg\_i\_kar

on Kardex

for insert

as

begin

declare @Boleta char(8), @no\_creditos decimal(8,2)

select @Boleta = Boleta from inserted

select @no\_creditos = SUM(NoCreditos) from Materia

group by NoCreditos

insert into CREDITO\_TOTAL

values(@Boleta, @no\_creditos)

end