



TECNOLÓGICO NACIONAL DE MÉXICO

INSTITUTO TECNOLÓGICO DE TIJUANA

**SUBDIRECCIÓN ACADÉMICA
DEPARTAMENTO DE SISTEMAS Y COMPUTACION**

CARRERA

Ingeniería Sistemas Computacionales

MATERIA

Taller de Bases de Datos

TÍTULO

T16

UNIDAD

5

ALUMNO(S) Y NO. DE CONTROL

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DOCENTE

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CODIGO SQL

```
CREATE DATABASE ControlEmpleados
USE ControlEmpleados

--Crear tablas y atributos
CREATE TABLE Socursal(
IdSocursal int primary key not null,
NombreSocursal varchar (50),
Direccion varchar (50)
)
CREATE TABLE Empleados(
IdEmpleado int primary key not null,
Nombre varchar (50),
Edad int ,
Telefono varchar (50),
Sueldo int,
IdSocursal int not null,
)

--llaves primarias con restricciones
alter table Socursal
add constraint Pk_IdSocursal Primary key (IdSocursal)

alter table Empleados
add constraint Pk_IdEmpleado primary key (IdEmpleado)

--llaves foraneas con restricciones
alter table Empleados
add constraint Fk_IdSocursal foreign key (IdSocursal)
references Socursal(IdSocursal)

--Insertar valores ala tabla
INSERT INTO Socursal values (578, 'Coppel Paseo 2000', 'El rosario 2000'),
                             (695, 'Coppel villa Fontana', 'Blvd. Cucapah 22444'),
                             (248, 'Coppel Gato Bronco', 'Plaza
Monarca');

INSERT INTO Empleados values (7894, 'Alan Torres', '23', '6648964895', '3000', '578'),
                              (9532, 'Daniel Fuentes', '28', '6648436795', '2500',
                              '695'),
                              (6485, 'Angela Meza', '30',
                              '6643891542', '4000', '248');
--Mostrar tablas
SELECT *FROM Socursal
SELECT *FROM Empleados
--Primera transaccion
begin tran
update Empleados set Empleados.IdSocursal = 695
where IdEmpleado = 7894
commit tran
select *from Empleados

--segunda transcion
--declarar error
declare @error int
begin tran
update Empleados set Empleados.IdEmpleado = 578
where IdEmpleado = 7894
Insert into Empleados values (9878, 'Nicole Lopez', 25, '66646785245', 3500, 248)
set @error = @@ERROR
If (@error<>0)
```

```

begin
rollback tran
print 'El Proceso se esta ejecutando'
end
else
commit
Select *From Empleados

```

CODIGO SCRIP SQL

```

USE [master]
GO

/***** Object: Database [ControlEmpleados]    Script Date: 31/03/2022 04:36:13 p. m.
*****/
CREATE DATABASE [ControlEmpleados]
    CONTAINMENT = NONE
    ON PRIMARY
( NAME = N'ControlEmpleados', FILENAME = N'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\ControlEmpleados.mdf' , SIZE = 8192KB , MAXSIZE
= UNLIMITED, FILEGROWTH = 65536KB )
    LOG ON
( NAME = N'ControlEmpleados_log', FILENAME = N'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\ControlEmpleados_log.ldf' , SIZE = 8192KB ,
MAXSIZE = 2048GB , FILEGROWTH = 65536KB )
    WITH CATALOG_COLLATION = DATABASE_DEFAULT
GO

IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [ControlEmpleados].[dbo].[sp_fulltext_database] @action = 'enable'
end
GO

ALTER DATABASE [ControlEmpleados] SET ANSI_NULL_DEFAULT OFF
GO

ALTER DATABASE [ControlEmpleados] SET ANSI_NULLS OFF
GO

ALTER DATABASE [ControlEmpleados] SET ANSI_PADDING OFF
GO

ALTER DATABASE [ControlEmpleados] SET ANSI_WARNINGS OFF
GO

ALTER DATABASE [ControlEmpleados] SET ARITHABORT OFF
GO

ALTER DATABASE [ControlEmpleados] SET AUTO_CLOSE OFF
GO

ALTER DATABASE [ControlEmpleados] SET AUTO_SHRINK OFF
GO

ALTER DATABASE [ControlEmpleados] SET AUTO_UPDATE_STATISTICS ON
GO

ALTER DATABASE [ControlEmpleados] SET CURSOR_CLOSE_ON_COMMIT OFF
GO

```

```

ALTER DATABASE [ControlEmpleados] SET CURSOR_DEFAULT GLOBAL
GO

ALTER DATABASE [ControlEmpleados] SET CONCAT_NULL_YIELDS_NULL OFF
GO

ALTER DATABASE [ControlEmpleados] SET NUMERIC_ROUNDABORT OFF
GO

ALTER DATABASE [ControlEmpleados] SET QUOTED_IDENTIFIER OFF
GO

ALTER DATABASE [ControlEmpleados] SET RECURSIVE_TRIGGERS OFF
GO

ALTER DATABASE [ControlEmpleados] SET  ENABLE_BROKER
GO

ALTER DATABASE [ControlEmpleados] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
GO

ALTER DATABASE [ControlEmpleados] SET DATE_CORRELATION_OPTIMIZATION OFF
GO

ALTER DATABASE [ControlEmpleados] SET TRUSTWORTHY OFF
GO

ALTER DATABASE [ControlEmpleados] SET ALLOW_SNAPSHOT_ISOLATION OFF
GO

ALTER DATABASE [ControlEmpleados] SET PARAMETERIZATION SIMPLE
GO

ALTER DATABASE [ControlEmpleados] SET READ_COMMITTED_SNAPSHOT OFF
GO

ALTER DATABASE [ControlEmpleados] SET HONOR_BROKER_PRIORITY OFF
GO

ALTER DATABASE [ControlEmpleados] SET RECOVERY FULL
GO

ALTER DATABASE [ControlEmpleados] SET  MULTI_USER
GO

ALTER DATABASE [ControlEmpleados] SET PAGE_VERIFY CHECKSUM
GO

ALTER DATABASE [ControlEmpleados] SET DB_CHAINING OFF
GO

ALTER DATABASE [ControlEmpleados] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
GO

ALTER DATABASE [ControlEmpleados] SET TARGET_RECOVERY_TIME = 60 SECONDS
GO

ALTER DATABASE [ControlEmpleados] SET DELAYED_DURABILITY = DISABLED
GO

ALTER DATABASE [ControlEmpleados] SET ACCELERATED_DATABASE_RECOVERY = OFF

```

GO

```
ALTER DATABASE [ControlEmpleados] SET QUERY_STORE = OFF
GO
```

```
ALTER DATABASE [ControlEmpleados] SET READ_WRITE
GO
```

	IdSocursal	NombreSocursal	Direccion
1	248	Coppel Gato Bronco	Plaza Monarca
2	578	Coppel Paseo 2000	El rosario 2000
3	695	Coppel villa Fontana	Blvd. Cucapah 22444

//primera transición

	IdEmpleado	Nombre	Edad	Telefono	Sueldo	IdSocursal
1	6485	Angela Meza	30	6643891542	4000	248
2	7894	Alan Torres	23	6648964895	3000	695
3	9532	Daniel Fuentes	28	6648436795	2500	695

El Proceso se esta ejecutando

Completion time: 2022-03-31T16:31:46.8509873-07:00

	IdEmpleado	Nombre	Edad	Telefono	Sueldo	IdSocursal
1	578	Alan Torres	23	6648964895	3000	695
2	6485	Angela Meza	30	6643891542	4000	248
3	9532	Daniel Fuentes	28	6648436795	2500	695
4	9878	Nicole Lopez	25	66646785245	3500	248