INSTITUTO TECNOLOGICO DE CULIACAN

INGENIERIA EN SISTEMAS COMPUTACIONALES

Alumno

Francisco Antonio Barraza Lugo

Materia

Taller De Base De Datos

Horario

10:00-11:00

Tema

Base de datos (Create Y Alter)

/\* Creacion de base de datos\*/

create database Tarea

use Tarea

/\*Tabla Employees\*/

create table Employees (

Employee\_id int not null,

Lastname varchar(20) not null,

FirstName varchar(20)not null,

Title varchar(30) null,

TitleofCourtesy varchar(20) null,

BirthDate datetime null,

HireDate datetime null,

Addres varchar(60) null,

City varchar(15) null,

Region varchar(15) null,

PostalCode varchar(10)null,

Country varchar(15) null,

HomePhone varchar(20) null,

Extension varchar(10) null,

Photo image null,

Notes char(20) null,

ReportsTo int null,

PhotoPath varchar(25) null,

)

go

/\*Tabla Supplier\*/

CREATE TABLE SUPPLIER(

SupplierId int not null,

CompanyName varchar(40) not null,

ContactName varchar(30) null,

ContactTitle varchar(30) null,

Addres varchar(50) null,

City varchar(15) null,

Region varchar(15) null,

PostalCode varchar(10)null,

Country varchar(15) null,

Phone varchar(24) null,

Fax varchar(24) null,

HomePage text null,

)

go

/\*Tabla Products\*/

create table Products(

ProductId int not null,

ProductName varchar(20) not null,

SupplierId int null,

CategoryId int null,

QuantityPerUnit varchar(25) null,

UnitPrice float null check (UnitPrice>0),

UnitsInStock int null,

UnitsOnOrder int null,

ReorderLevel int null,

Discontinued bit not null,

)

go

/\*Tabla Region\*/

create table Region(

RegionId int not null,

RegionDescription varchar(50) not null,

)

go

/\*Tabla Order Details\*/

create table OrderDetails(

OrderId int not null,

ProductId int not null,

UnitPrice float not null check (UnitPrice>0),

Quantity int not null,

Discount real not null,

)

go

/\*Tabla Categories\*/

create table Categories(

CategoryId int not null,

CategoryName varchar(20) not null,

Description varchar(15) null,

Picture image null,

)

go

/\*Tabla EmployeeTerritories\*/

create table EmployeeTerritories(

EmployeedId int not null,

TerritoryId varchar(20) not null,

)

go

/\*Tabla Territories\*/

create table Territories(

TerritoryId varchar(20) not null,

TerritoryDescrip varchar(30) not null,

RegionId int not null,

)

go

/\*Tabla Orders\*/

create table Orders(

OrderId int not null,

CustomerId int null,

EmployeeId int null,

OrderDate datetime null,

RequiredDate datetime null,

ShippedDate datetime null,

ShipVia int null,

Freight float null,

ShipName varchar(40),

ShipAdress varchar(40) null,

ShipCity varchar(15) null,

ShipRegion varchar(15) null,

ShipPostalCode varchar(20) null,

ShipCountry varchar(15) null,

)

go

/\*Tabla Customers\*/

create table Customers(

CustomerId int not null,

CompanyName varchar(40) not null,

ContactName varchar(30) null,

ContactTitle varchar(30) null,

Addres varchar(60) null,

City varchar(15) null,

Region varchar(15) null,

PostalCode varchar(10)null,

Country varchar(15) null,

Phone varchar(20) null,

Fax varchar(24) null,

)

go

/\*Tabla Shippers\*/

create table Shippers(

ShipperId int not null,

CompanyName varchar(40) not null,

Phone varchar(24) null,

)

go

/\*Tabla CustomerCustomerDemo\*/

create table CustomerCustomerDemo(

CustomerId int not null,

CustomerTypeId varchar(10) not null,

)

go

/\*Tabla CustomerDemographics\*/

create table CustomerDemographics(

CustomerTypeId varchar(10) not null,

CustomerDesc varchar(50) null,

)

go

/\*\*\*\*\*\*\*\*\*\*\*\*\*Alter Table Primary Key \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

Alter table Employees

add constraint pk\_Employeesid

primary key(Employee\_id)

Alter table Products

add constraint pk\_Productsid

primary key(ProductId)

Alter table Orders

add constraint pk\_OrderId

primary key (OrderId)

Alter table OrderDetails

add constraint pk\_OrderDetails

primary key (OrderId,ProductId)

Alter table SUPPLIER

add constraint pk\_SupplierId

primary key (SupplierId)

Alter table Region

add constraint pk\_Region

primary key (RegionId)

Alter table Categories

add constraint pk\_Categories

primary key (CategoryId)

Alter table EmployeeTerritories

add constraint pk\_EmployeeTerri

primary key (EmployeedId,TerritoryId)

Alter table Territories

add constraint pk\_territories

primary key(TerritoryId)

Alter table Customers

add constraint pk\_Customers

primary key(CustomerId)

Alter table CustomerCustomerDemo

add constraint pk\_CustomerDemo

primary key(CustomerId,CustomerTypeId)

Alter table CustomerDemographics

add constraint pk\_CustomerDemoGra

primary key(CustomerTypeId)

Alter table Shippers

add constraint pk\_Shippers

primary key(ShipperId)

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Alter Table Foreign Key\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\*Tabla Products\*/

Alter table Products

add constraint fk\_ProductsCategory

foreign key(CategoryId)

references Categories(CategoryId)

Alter table Products

add constraint fk\_ProductsSupplier

foreign key(SupplierId)

references SUPPLIER(SupplierId)

/\*Tabla Orders\*/

Alter table Orders

add constraint fk\_OrdersCustomers

foreign key(CustomerId)

references Customers(CustomerId)

Alter table Orders

add constraint fk\_OrdersShippers

foreign key(ShipVia)

references Shippers(ShipperId)

Alter table Orders

add constraint fk\_OrdersEmployees

foreign key(EmployeeId)

references Employees(Employee\_id)

/\*Tabla OrderDetails\*/

Alter table OrderDetails

add constraint fk\_OrdersDetaProducts

foreign key(ProductId)

references Products(ProductId)

Alter table OrderDetails

add constraint fk\_OrdersDetaOrder

foreign key(OrderId)

references Orders(OrderId)

/\*Tabla Employees\*/

Alter table Employees

add constraint fk\_Employees

foreign key(ReportsTo)

references Employees(Employee\_id)

/\*Tabla EmployeeTerritories\*/

Alter table EmployeeTerritories

add constraint fk\_EmployeesTerritoriesEmp

foreign key(EmployeedId)

references Employees(Employee\_id)

Alter table EmployeeTerritories

add constraint fk\_EmployeesTerritoriesTerr

foreign key(TerritoryId)

references Territories(TerritoryId)

/\*Tabla CustomerCustomerDemo\*/

Alter table CustomerCustomerDemo

add constraint fk\_CustomerCustomerDemoCust

foreign key(CustomerId)

references Customers(CustomerId)

Alter table CustomerCustomerDemo

add constraint fk\_CustomerCustomerDemoDemo

foreign key(CustomerTypeId)

references CustomerDemographics(CustomerTypeId)