

Instituto tecnológico de Culiacán

Ingeniería en sistemas computacionales

Taller de base de datos

Tarea: Familia de vistas de la base de datos NorthWind

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Realizar la familia de vistas de la base de datos NorthWind

Nombre                    tablas utilizadas  
-------------------------------------------------------------------------------------------------------  
vw\_products               products, categories, suppliers  
vw\_orders orders, employees, shippers,  customers  
vw\_orderdetails           [order details],  vw\_orders  ,   vw\_products

-- suplementarias  
vw\_territories            territories, region  
vw\_employeeterritories vw\_territories, employees  , employeeterritories

Tarea en **equipo de 2 personas**, las mismas de las tareas anteriores.

**Entregables**:  
Archivo en **pdf**

create view vw\_products as

select

p.productid, p.productname, p.quantityperunit, productprice = p.unitprice,

p.unitsinstock, p.unitsonorder, p.reorderlevel, p.discontinued,

s.supplierid, s.companyname, s.contactname, s.contacttitle, s.address,

s.city, s.region, s.postalcode, s.country, s.phone, s.fax, s.homepage,

c.categoryid, c.categoryname, c.description, c.picture

from products p

inner join suppliers s on p.supplierid = s.supplierid

inner join categories c on p.categoryid = c.categoryid

create view vw\_orders as

select

o.orderid, o.orderdate, o.requireddate, o.shippeddate, o.freight, o.shipname,

o.shipaddress, o.shipregion, o.shippostalcode, o.shipcountry,

e.employeeid,name = e.firstname+''+e.lastname, e.title, e.titleofcourtesy, e.birthdate, e.hiredate, employeeaddress = e.address,

employeecity = e.city,employeeregion = e.region, employeepostalcode = e.postalcode,employeecountry = e.country, employeephone = e.homephone, e.extension,

e.photo, e.notes, e.photopath,

s.shipperid, ship = s.companyname, shipphone = s.phone,

c.customerid, company = c.companyname, c.contactname, c.contacttitle, companyaddress = c.address, c.city, c.region, c.postalcode,

c.country, c.phone, c.fax

from orders o

inner join employees e on e.employeeid = o.employeeid

inner join customers c on c.customerid = o.customerid

inner join shippers s on s.shipperid = o.shipvia

CREATE VIEW vw\_orderdetails AS

SELECT

OD.[OrderID],OD.[ProductID],OD.[UnitPrice],OD.[Quantity],OD.[Discount],

VO.[orderdate],VO.[requireddate],VO.[shippeddate],VO.[freight],VO.[shipname],VO.[shipaddress],VO.[shipregion],VO.[shippostalcode],VO.[shipcountry],

VO.[employeeid],VO.[name],VO.[title],VO.[titleofcourtesy],VO.[birthdate],VO.[hiredate],VO.[employeeaddress],VO.[employeecity],VO.[employeeregion],

VO.[employeepostalcode],VO.[employeecountry],VO.[employeephone],VO.[extension],VO.[photo],VO.[notes],VO.[photopath],VO.[shipperid],VO.[ship],

VO.[shipphone],VO.[customerid],VO.[company],VO.[companyaddress],VO.[city],

VP.[ProductName],VP.[QuantityPerUnit],VP.[UnitsInStock],VP.[UnitsOnOrder],VP.[ReorderLevel],VP.[Discontinued],VP.[CategoryID],VP.[CategoryName],

VP.[Description],VP.[Picture],VP.[SupplierID],VP.[CompanyName],VP.[ContactName],VP.[ContactTitle],VP.[Address],VP.[Region],VP.[PostalCode],

VP.[Country],VP.[Phone],VP.[Fax],VP.[HomePage]

FROM [Order Details] AS OD

INNER JOIN vw\_orders AS VO ON OD.OrderID = OD.OrderID

INNER JOIN vw\_products AS VP ON OD.ProductID = VP.ProductID

CREATE VIEW vw\_territories AS

SELECT

[TerritoryID],[TerritoryDescription],[RegionDescription],T.[RegionID]

FROM Territories AS T

INNER JOIN Region AS R ON T.RegionID = R.RegionID

CREATE VIEW vw\_employeeterritories AS

SELECT

E.\*,

VT.\*

FROM Employees AS E

INNER JOIN EmployeeTerritories AS ET ON ET.EmployeeID = E.EmployeeID

INNER JOIN [vw\_territories] AS VT ON ET.TerritoryID = VT.TerritoryID