

**Instituto Tecnológico de Culiacán**



**Carrera: Ingeniería en Sistemas Computacionales**

**Materia: Taller de Base de Datos**

**Alumno: José Alfredo García Aguilar**

**Tarea: U2 - Vistas**

**Fecha: 29-Septiembre-2021**

**Horario de clase: 08:00 - 09:00 am**

**Profesor: Daniel Esparza Soto**

--TAREA DE VISTAS

--FAMILIAS DE VISTAS

--Plan para generar la familia de vistas en la base de datos northwind:

--Se debe ir generando las vistas de afuera hacia dentro e ir reutilizando las vistas creadas

--previamente con todas sus columnas

--secuencia de creacion de vistas

--nombre	tablas utilizadas
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--vw_products	products, categories, suppliers
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--vw_orders	orders, employees, shippers, customers
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--vw_orderdetails	[order details], vw_orders vw_products
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--suplementarias

--vw\_territoriesterritories, region

--vw_employee territories	vw_territories, employees, employee territories
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go

--vista products

create view vw\_products as

select

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

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

s.supplierid, s.companyname, s.contactname, s.contacttittle, 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.requirredate, 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, Emp\_address = e.address, Emp\_city = e.city, Emp\_region = e.region, Emp\_PostalCode =  
e.postalcode,

Emp\_country = e.country, Emp\_phone = e.homephone, e.extension, e.photo, e.notes,  
e.photopath,

s.shipperid, Ship = s.companyname, Shipphone = s.phone,

c.customerid, Company = c.companyname, c.contactme, c.contacttittle, Company\_Address =  
c.address,

c.city, c.region, c.postalcode, c.country, c.phone, c.fax

from orders o

inner join employees e on employeeid = o.employeeid

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

```
inner join shippers s on s.shipperid = o.shipvia
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```
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.[employeeecity], vo.[employeeeregion],  
vo.[employeepostalcode],
```

```
vo.[employeeecountry], vo.[employeeephone], 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] od
```

```
inner join vw_orders vo on od.orderid = od.orderid
```

```
inner join vw_products vp on od.productid = vp.productid
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```
create view vw_territories as
```

```
select
```

[territory], [territorydescription], [regiondescription], t.[regionid]

from territories t

inner join region r on t.regionid = r.regionid

create view vw\_employeeterritories as

select

e.employeeid, e.firstname, e.lastname, e.title, e.titleofcourtesy, e.birthdate, e.hiredate, e.address,  
e.city,

e.region, e.postalcode, e.country, e.homephone, e.extension, e.photo, e.notes, e.reportsto,  
e.photopath,

vt.territoryid, vt.territorydescription, vt.regionid

from employees e

inner join employeeterritories et on et.employeeid = e.employeeid

inner join vw\_territories vt on et.territoryid = vt.territoryid