Queries auxiliares

SELECT

**object\_name**(cols.object\_id) tabla

,cols.name columna

,ind.name indice

,ind.type\_desc tipo

,ind.is\_unique

FROM

sys.columns cols, sys.indexes ind , sys.index\_columns ind\_cols

where

cols.object\_id = ind.object\_id

and cols.object\_id = ind\_cols.object\_id

and cols.column\_id = ind\_cols.column\_id

and ind.index\_id = ind\_cols.index\_id

and **object\_name**(cols.object\_id) LIKE 'Employee'

order by **object\_name**(cols.object\_id), ind.name;

SELECT TABLE\_NAME, COLUMN\_NAME, IS\_NULLABLE, DATA\_TYPE

FROM INFORMATION\_SCHEMA.COLUMNS

WHERE table\_name = 'WorkOrder';

Convenciones de nomenclatura de índice de SQL Server

 PK\_ Primary Key, clustered

 AK\_ unclestered, unique

 IX\_ unclestered, no unique

Comandos

Ctrl + M 🡸 hace la consulta y dice el plan que ejecutó

O

View > Command Palette > Run current query with actual plan

--consulta 1

select NationalIDNumber, HireDate from HumanResources.Employee

where NationalIDNumber='121491555';

select NationalIDNumber, BusinessEntityID from HumanResources.Employee

where NationalIDNumber= '121491555';

--consulta 2

select NationalIDNumber, BusinessEntityID from HumanResources.Employee

where NationalIDNumber= '121491555';

select NationalIDNumber, BusinessEntityID from HumanResources.Employee

where NationalIDNumber= 121491555;

--consulta 3

select **count**(UnitPrice) from sales.SalesOrderDetail;

select **count**(CarrierTrackingNumber) from sales.SalesOrderDetail;

--consulta 4

select p.ProductNumber from Sales.SpecialOffer so

join Sales.SpecialOfferProduct sop on so.SpecialOfferID = sop.SpecialOfferID

join Production.Product p on sop.ProductID = p.ProductID

select \* from Sales.SpecialOffer so

join Sales.SpecialOfferProduct sop on so.SpecialOfferID = sop.SpecialOfferID

join Production.Product p on sop.ProductID = p.ProductID

--consulta 5

select AddressID, City, StateProvinceID, ModifiedDate

from Person.Address

where StateProvinceID = 32

select AddressID, City, StateProvinceID, ModifiedDate

from Person.Address

where StateProvinceID = 20

--consulta 6

Select AddressLine1, AddressLine2, City from Person.Address

where AddressLine1 like '1%';

Select AddressLine1, AddressLine2, City from Person.Address

where AddressLine1 NOT like '1%';

Select AddressLine1, AddressLine2, City, ModifiedDate from Person.Address

where AddressLine1 like '1%';

--consulta 7

select **count**(EndDate) from Production.WorkOrder

select **count**(OrderQty) from Production.WorkOrder

--consulta 8

--Dada la siguiente consulta:

select e.\* from HumanResources.Employee as e where e.Gender = 'F'

Ejecutarla y ver el plan de ejecución,

Luego crear el siguiente índice:

CREATE INDEX IX\_Employee\_Test ON HumanResources.Employee (Gender)

--WITH (DROP\_EXISTING = ON) ;

Volver a ejecutarla. ¿Qué ocurrió con el índice?

--Consulta 9

select soh.\* from Sales.SalesOrderHeader soh

join Sales.SalesOrderDetail sod

on soh.SalesOrderID = sod.SalesOrderID

where soh.SalesOrderID = 71832 ;

select soh.\* from Sales.SalesOrderHeader soh

join Sales.SalesOrderDetail sod

on soh.SalesOrderID = sod.SalesOrderID

--consulta 10

select distinct(CardType) from Sales.CreditCard;

select distinct(CardNumber) from Sales.CreditCard;