

**“Año de la recuperación y consolidación de la economía peruana
“**

UNIVERSIDAD PERUANA LOS ANDES

FACULTAD DE INGENIERÍA”

**ESCUELA PROFESIONAL “INGENIERÍA DE SISTEMAS Y
COMPUTACIÓN”**

Cátedra: Base de datos II

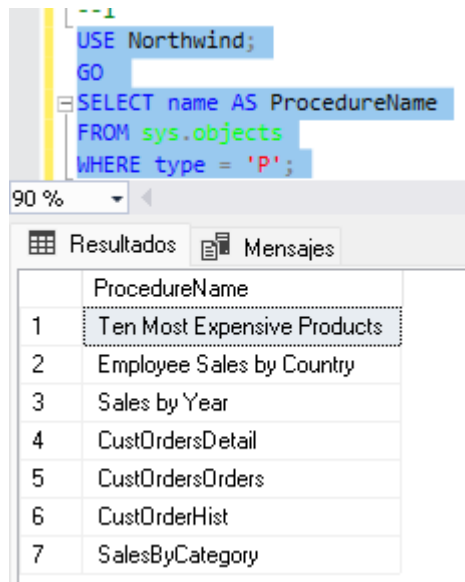
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HUANCAYO PERÚ 2025

5. EJERCICIOS PROPUESTOS

Estos ejercicios se plantean como un reto. Para resolverlos deberá utilizar las opciones de la interfaz gráfica de SQL Server Management Studio. Mostrar: 1. La lista de procedimientos almacenados (stored procedures) guardados en la base de datos Northwind



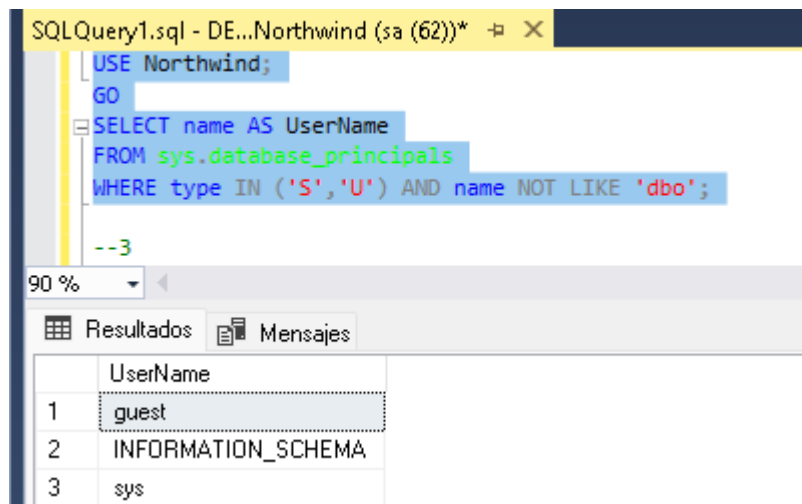
```
--1
USE Northwind;
GO
SELECT name AS ProcedureName
FROM sys.objects
WHERE type = 'P';
```

90 %

Resultados Mensajes

	ProcedureName
1	Ten Most Expensive Products
2	Employee Sales by Country
3	Sales by Year
4	CustOrdersDetail
5	CustOrdersOrders
6	CustOrderHist
7	SalesByCategory

2. La lista de usuarios definidos en la base de datos Northwind.



```
SQLQuery1.sql - DE...Northwind (sa (62)) * X
USE Northwind;
GO
SELECT name AS UserName
FROM sys.database_principals
WHERE type IN ('S','U') AND name NOT LIKE 'dbo';
--3
```

90 %

Resultados Mensajes

	UserName
1	guest
2	INFORMATION_SCHEMA
3	sys

3. El nombre y el número de versión del sistema operativo sobre el que corre su SQL Server.

```
SQLQuery1.sql - DE...Northwind (sa (62))* X
SELECT
    host_platform AS OS_Platform,
    host_distribution AS OS_Distribution,
    host_release AS OS_Release
FROM sys.dm_os_host_info;
```

90 %

Resultados Mensajes

	OS_Platform	OS_Distribution	OS_Release
1	Windows	Windows 10 Pro	10.0

4. El modo de autenticación del servidor (Server authentication) configurado para su SQL Server

```
--4
EXEC xp_loginconfig 'login mode';
```

90 %

Resultados Mensajes

	name	config_value
1	login mode	Mixed

5. La ubicación del directorio predeterminado de los archivos de bases de datos.

```
SQLQuery1.sql - DE...Northwind (sa (62))* X
--5
SELECT
    name AS [LogicalName],
    physical_name AS [FilePath]
FROM sys.master_files
WHERE database_id = DB_ID('Northwind');
```

90 %

Resultados Mensajes

	LogicalName	FilePath
1	Northwind	C:\Program Files\Microsoft SQL Server\MSSQL16.MSS...
2	Northwind_log	C:\Program Files\Microsoft SQL Server\MSSQL16.MSS...

6. El tamaño de la RAM de la máquina en la que ejecuta su SQL Server.

```
--6
SELECT
    total_physical_memory_kb / 1024 AS Total_Physical_Memory_MB,
    available_physical_memory_kb / 1024 AS Available_Physical_Memory_MB
FROM sys.dm_os_sys_memory;
```

90 %

Resultados Mensajes

	Total_Physical_Memory_MB	Available_Physical_Memory_MB
1	14797	7370

7. La lista de tablas contenidas en la base de datos Northwind.

```
SQLQuery1.sql - DE...Northwind (sa (62))* X
USE Northwind;
GO
SELECT name AS TableName
FROM sys.tables;
```

90 %

Resultados Mensajes

	TableName
1	Employees
2	Categories
3	Customers
4	Shippers
5	Suppliers
6	Orders
7	Products
8	Order Details
9	CustomerCustomerDemo
10	CustomerDemographics
11	Region
12	Territories
13	EmployeeTerritories

8. La estructura (nombres y tipos de columnas) de la tabla Customers de Northwind.

SQLQuery1.sql - DE...Northwind (sa (62))*

```
--8 la estructura
USE Northwind;
Go
SELECT
    COLUMN_NAME,
    DATA_TYPE,
    CHARACTER_MAXIMUM_LENGTH
FROM INFORMATION_SCHEMA.COLUMNS
WHERE TABLE_NAME = 'Customers';
```

90 %

Resultados Mensajes

	COLUMN_NAME	DATA_TYPE	CHARACTER_MAXIMUM_LENGTH
1	CustomerID	nchar	5
2	CompanyName	nvarchar	40
3	ContactName	nvarchar	30
4	ContactTitle	nvarchar	30
5	Address	nvarchar	60
6	City	nvarchar	15
7	Region	nvarchar	15
8	PostalCode	nvarchar	10
9	Country	nvarchar	15
10	Phone	nvarchar	24
11	Fax	nvarchar	24

9. El contenido (Los datos) de la tabla Customers de Northwind

SQLQuery1.sql - DE...Northwind (sa (62))*

```
-- 9 El contenido
USE Northwind;
GO
SELECT * FROM Customers;
```

90 %

	CustomerID	CompanyName	ContactName	ContactTitle	Address	City	Region	PostalCode	Country	Phone	Fax
1	ALFKI	Alfreds Futterkiste	Maria Anders	Sales Representative	Öbere Str. 57	Berlin	NULL	12209	Germany	030-0074321	030-0076545
2	ANATR	Ana Trujillo Emparedados y helados	Ana Trujillo	Owner	Avda. de la Constitución 2222	México D.F.	NULL	05021	Mexico	(5) 555-4729	(5) 555-3745
3	ANTON	Antonio Moreno Taquería	Antonio Moreno	Owner	Mataderos 2312	México D.F.	NULL	05023	Mexico	(5) 555-3932	NULL
4	AROUT	Around the Horn	Thomas Hardy	Sales Representative	120 Hanover Sq.	London	NULL	WA1 1DP	UK	(171) 555-7788	(171) 555-6750
5	BERGS	Berglunds snabbköp	Christina Berglund	Order Administrator	Berguvsvägen 8	Luleå	NULL	S-958 22	Sweden	0921-12 34 65	0921-12 34 67
6	BLAUS	Blauer See Delikatessen	Hanna Moos	Sales Representative	Forsterstr. 57	Mannheim	NULL	68306	Germany	0621-08460	0621-08924
7	BLONP	Blondesddsl père et fils	Frédérique Citeaux	Marketing Manager	24, place Kléber	Strasbourg	NULL	67000	France	88.60.15.31	88.60.15.32
8	BOLID	Bólido Comidas preparadas	Martín Sommer	Owner	C/ Araquil, 67	Madrid	NULL	28023	Spain	(91) 555 22 82	(91) 555 91 99
9	BONAP	Bon app'	Laurence Leblan	Owner	12, rue des Bouchers	Marseille	NULL	13008	France	91.24.45.40	91.24.45.41
10	BOTTM	Bottom-Dollar Markets	Elizabeth Lincoln	Accounting Manager	23 Tsawassen Blvd.	Tsawassen	BC	T2F 8M4	Canada	(604) 555-4729	(604) 555-3745
11	BSBEV	B's Beverages	Victoria Ashworth	Sales Representative	Fauntleroy Circus	London	NULL	EC2 5NT	UK	(171) 555-1212	NULL
12	CACTU	Cactus Comidas para llevar	Patricio Simpson	Sales Agent	Cerrito 333	Buenos Aires	NULL	1010	Argentina	(1) 135-5555	(1) 135-4892
13	CENTC	Centro comercial Moctezuma	Francisco Chang	Marketing Manager	Sierras de Granada 9993	México D.F.	NULL	05022	Mexico	(5) 555-3392	(5) 555-7293
14	CHOPS	Chop-suey Chinese	Yang Wang	Owner	Hauptstr. 29	Bern	NULL	3012	Switzerland	0452-076545	NULL
15	COMMI	Comércio Mineiro	Pedro Afonso	Sales Associate	Av. dos Lusíadas, 23	Sao Paulo	SP	05432-043	Brazil	(11) 555-7647	NULL
16	CONSH	Consolidated Holdings	Elizabeth Brown	Sales Representative	Berkeley Gardens 12 Brewery	London	NULL	W1X 1LT	UK	(171) 555-2282	(171) 555-9199
17	DRACD	Drachenblut Delikatessen	Sven Ottlieb	Order Administrator	Walsenweg 21	Aachen	NULL	52066	Germany	0241-039123	0241-059428
18	DUMON	Du monde entier	Janine Labrune	Owner	67, rue des Cinquante Otages	Nantes	NULL	44000	France	40.67.88.88	40.67.89.89
19	EASTC	Eastern Connection	Ann Devon	Sales Agent	35 King George	London	NULL	W1X 3BFW	UK	(171) 555-0297	(171) 555-3373
20	ERNSH	Ernst Handel	Roland Mendel	Sales Manager	Kirchgasse 6	Graz	NULL	8010	Austria	7675-3425	7675-3426
21	FAMIA	Familia Arquibaldo	Aria Cruz	Marketing Assistant	Rua Orós, 92	Sao Paulo	SP	05442-030	Brazil	(11) 555-9857	NULL
22	FISSA	FISSA Fabrica Inter. Salchichas S.A.	Diego Roel	Accounting Manager	C/ Moralzarzal, 86	Madrid	NULL	28034	Spain	(91) 555 94 44	(91) 555 55 93
23	FOLIG	Foies gourmandes	Martine Rancé	Assistant Sales Agent	184, chaussée de Tournai	Lille	NULL	59000	France	20.16.10.16	20.16.10.17
24	FOLKO	Folk och få HB	Maria Larsson	Owner	Åkergatan 24	Bräcke	NULL	S-844 67	Sweden	0695-34 67 21	NULL