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MSA, PMSOC, PMSPO, PMSPO, PMSPO, C#, ITIL, MCPD, MCSD



لا تنسى الاشتراك في قناتنا على اليوتيوب ومشاركة القناة مع اصدقائك
لتعم الفائدة للجميع وانقاذ الاف الناس من التشتت جزاكم الله خيرا

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مهم جداً

هذا الملف للمراجعة السريعة واخذ الملاحظات عليه فقط ،لانه يحتوي على اقل من 20% مما يتم شرحه في الفيديوهات الاستعجال والاعتماد عليه فقط سوف يجعلك تخسر كميه معلومات وخبرات كثيره

يجب عليك مشاهدة فيديو الدرس كاملا

لاتنسى عمل لايك ومشاركة القناة لتعم الفائدة للجميع
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Database Level 1 SQL (Concepts & Practice)

Dealing With Data
What is SQL?



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Employees File:

ID	FirstName	LastName	Gender	Birthdate	Salary	DeptID	DeptName	DeptLocation
1	Mohammed	Abu-Hadhoud	M	6/11/1977	5000	1	IT	Amman
2	Ali	Zaher	M	5/7/1990	3000	2	Finance	Amman
3	Lubna	Aqel	F	5/5/2000	500	1	IT	Amman
5	Fadi	Khalil	M	6/6/1980	1400	4	Marketing	Qatar
6	Maha	Majed	M	7/7/2001	300	3	HR	UAE
7	Omar	Ali	M	6/6/1977	2000	1	IT	Amman
8	Huda	Omar	F	4/2/1990	1000	1	IT	Amman

To Get
All Female
Employees

- You have to write code and loops.
- Slow process
- Slow performance

Primary Key

Employees Table

ID	FirstName	LastName	Gender	Birthdate	Salary	DepartmentID
1	Mohammed	Abu-Hadhoud	M	6/11/1977	5000	1
2	Ali	Zaher	M	5/7/1990	3000	2
3	Lubna	Aqel	F	5/5/2000	500	1
5	Fadi	Khalil	M	6/6/1980	1400	4
6	Maha	Majed	M	7/7/2001	300	3
7	Omar	Ali	M	6/6/1977	2000	1
8	Huda	Omar	F	4/2/1990	1000	1

Primary Key

Departments Table

ID	Name	Location
1	IT	Amman
2	Finance	Amman
3	HR	UAE
4	Marketing	Qatar

Foreign Key

- You Use SQL Query 😊
- Simple and fast.

Select * from Employees
Where Gender = 'F'

What is SQL

- SQL stands for Structured Query Language
- Pronounced as “S-Q-L” or sometimes as “See-Quel”.
- SQL is used to communicate with a database.
- SQL lets you access and manipulate databases
- Database management systems that use SQL are: Oracle, Sybase, Microsoft SQL Server, Access, Ingres, etc.

What Can You Do With SQL?

- SQL can execute queries against a database
- SQL can retrieve data from a database
- SQL can insert records in a database
- SQL can update records in a database
- SQL can delete records from a database
- SQL can create new databases
- SQL can create new tables in a database
- SQL can create stored procedures in a database
- SQL can create views in a database
- SQL can set permissions on tables, procedures, and views

Examples Of SQL Statements:

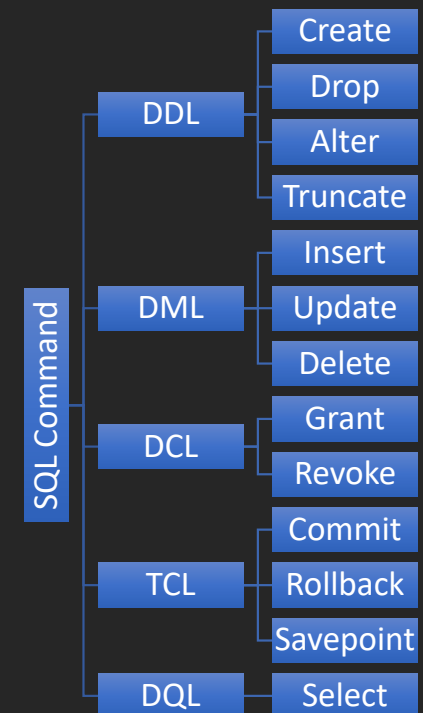
- `SELECT * FROM Employees WHERE Salary < 1000;`
- `SELECT FirstName , LastName FROM Employees WHERE Salary < 1000 and Gender='M';`
- `SELECT * FROM Employees WHERE Salary between 500 and 1000;`
- `Select Count(*) from Employees;`
- `Select Sum(Salary) from Employees;`
- `Select Avg(Salary) from Employees;`
- `Delete from Employees where ID=10;`
- `Update Employees set FirstName = 'Amjad' where ID = 10;`

Examples:

- `CREATE DATABASE MyDatabase;`
- `DROP DATABASE MyDatabase;`
- `CREATE TABLE Employees (
 ID int,
 FirstName varchar(255),
 LastName varchar(255),
 Address varchar(255),
 City varchar(255)
);`

Types of SQL Statements:

- Data Definition Language (DDL)
- Data Manipulation Language (DML)
- Data Control Language (DCL)
- Transaction Control Language (TCL)
- Data Query Language (DQL)





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Thank You

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