



26+ Years
of Experience

**PROGRAMMING
ADVICES** LEARN THE
RIGHT WAY

Mohammed Abu-Hadhoud

MSA, PMOC, PMP®, PRP®, PSE-SDP®, CS, ITIL, MCP®, MCSD



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

www.ProgrammingAdvices.com



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
لا تنسونا من دعائكم

ProgrammingAdvices.com

Mohammed Abu-Hadhoud





Database Level 1 SQL (Concepts & Practice)

DBMS vs RDBMS



Mohammed Abu-Hadhoud

MBA, PMOC, PgMP®, PMP®, PMI-RMP®, CM, ITILF, MCPD, MCSD



ProgrammingAdVICES.com



**PROGRAMMING
ADVICES** LEARN THE
RIGHT WAY

What is Database?

A database is an organized collection of data so that it can be easily accessed. To manage these databases, Database Management Systems (DBMS) are used.

Types of DBMS:

In general, there are two common types of databases:

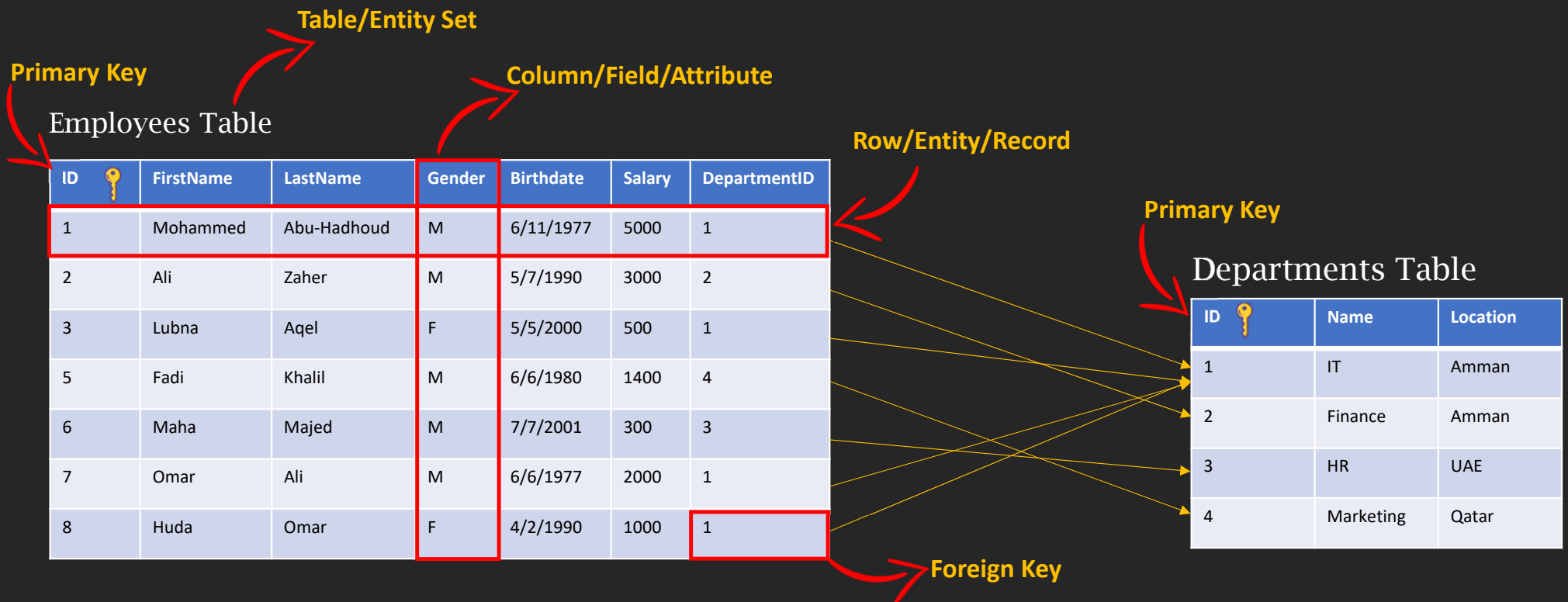
- Non-Relational (DBMS): File System, XML..etc.
- Relational (RDBMS): enhanced version of DBMS but with relations, examples SQLServer, Oracle, MySQL ..etc.

Employees File

ID	FirstName	LastName	Gender	Birthdate	Salary	DepID	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

In RDBMS.

Data that is stored in an organized fashion in tables containing rows and columns along with relations between these tables.





Database Level 1 SQL (Concepts & Practice)

Differences between
DBMS vs RDBMS



Mohammed Abu-Hadhoud

MBA, PMOC, PgMP®, PMP®, PMI-RMP®, CM, ITILF, MCPD, MCSD



ProgrammingAdvises.com



**PROGRAMMING
ADVISES** LEARN THE
RIGHT WAY

DBMS

VS

RDBMS

Database Management System

Relational Database Management System

Example : Normal File System, XML..etc

Example :MySQL, Oracle,
MongoDB, SQL Server..etc.

Data Stored In Files no relations,
Uses different datastructures.

Data stored In Tabular form
(Tables and relations between them)

DBMS may or may not have a
built-in query language

Uses a SQL
to retrieve data from the database

One user can access data at a time.

Multi-users can access data.

Differences

DBMS

VS

RDBMS

Small Data, Less Scalable, Backup is hard

Larg Data, More Scalable, easy backup

less secured

More Secured

No mormalization: No data integrity
Or concestasy, more redundancy

Normalization: strong data integrity
,consistency, less redundancy

Limited Data Sharing

Centralized Data Sharing

Hard to deal with

Very Easy to deal with

Differences



programmingAdvices.com
Thank You

Mohammed Abu-Hadhoud

26+ Years of Experience

MBA, PMOC, PgMP®, PMP®, PMI-RMP®, CM, ITILF, MCPD, MCSB

