**Chapter 4: HANA SQL/Native SQL.**

* **open SQL** allows you to access all database tables known to the SAP system, regardless of the database manufacturer. Sometimes, however, we may want to use database-specific SQL statements called Native SQL in your ABAP/4 program.
* To avoid incompatibilities between different database tables and also to make ABAP/4 programs independent of the database system in use, SAP has created a set of separate SQL statements called Open SQL. Open SQL contains a subset of standard SQL statements as well as some enhancements which are specific to SAP.
* A database interface translates SAP's Open SQL statements into SQL commands specific to the database in use.
* **Native SQL statements access the database directly. HANA SQL is Native SQL.**

**OR**

* Open SQL - ABAP specific SQL
* Native SQL - DB specific SQL
* Open SQL allows you to access database tables declared in the ABAP Dictionary regardless of the database platform that you R/3 System is using.
* Native SQL allows you to use database-specific SQL statements in an ABAP program. This means that you can use database tables that are not administered by the ABAP Dictionary, and therefore integrate data that is not part of the R/3 System.
* As a rule, an ABAP program containing database-specific SQL statements will not run under different database systems. If your program will be used on more than one database platform, only use Open SQL statements.
* Syntax very similar to traditional SQL.

SELECT column1**,** column2**,** column3

FROM tablename

Where column1 = condition

Having condition

Group by column**;**