

정성우_DB기초-SQL 완전정복

- 1. DBMS
 - 1) RDBMS?
 - 2) RDBMS
 - 3) Schema
 - 4) snapshot
 - 5) instance
 - 6) DBMS
 - 7) Oracle
 - 8) MySQL

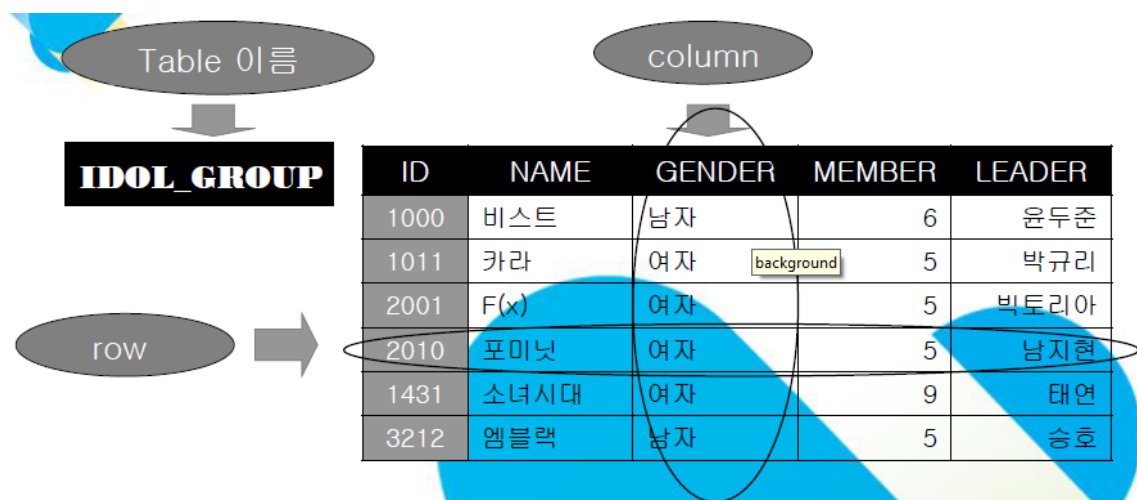
1. DBMS

1) RDBMS?

- Related DBMS
- -> relation
- RDBMS
 - SQL (Structured Query Language)
 -
 -
 -
 - , ,

2) RDBMS

- relation
 -
 -
- tuple
 -
 - record, row
- attribute
 - relation
 - column
- degree
 - attribute , column
- cardinality
 - tuple , row



3) Schema

- Data Dictionary
 -

- DB
-
-
- (=Dictionary)
-
- Client

4) snapshot

-
-

5) instance

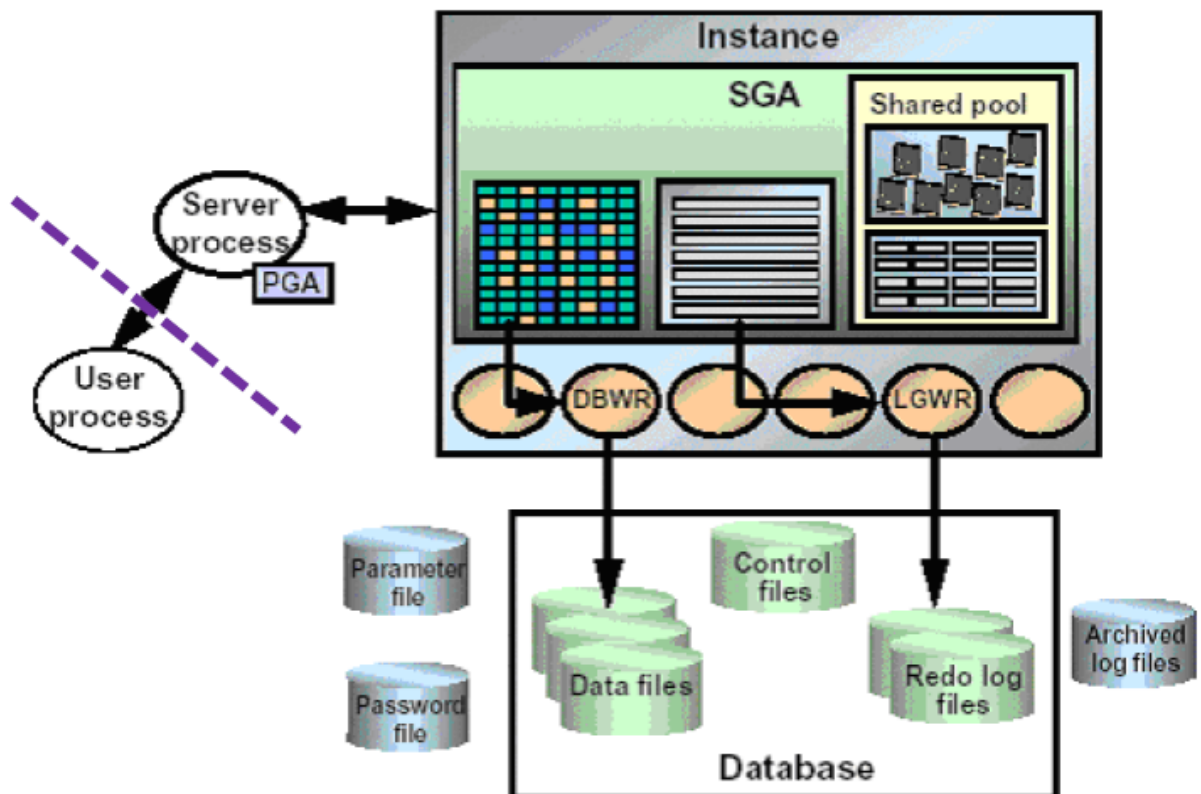
- DBMS DB
- engine instance
 - engine - instance 1:1
- - Oracle: 2
 - MySQL: 1

6) DBMS

- Oracle
- Tibero
- MySQL
- MSSQL
- Cubrid

7) Oracle

- RDBMS
- RDBMS
-
-
-



- user process server process
- server process instance

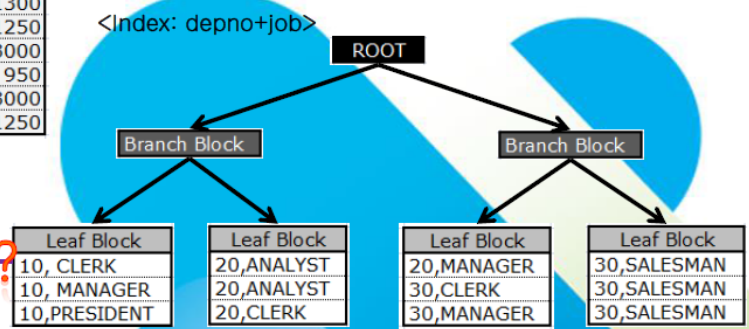


- TableSpace
- DataFile

<Table: PK ename>

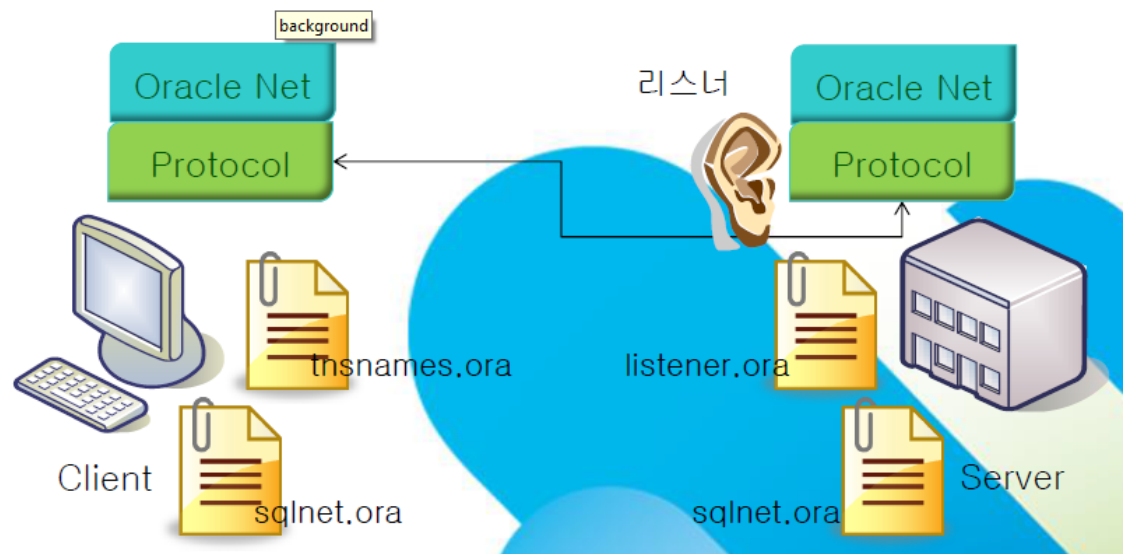
ename	deptno	job	sal
ADAMS	20	CLERK	1100
KING	10	PRESIDENT	5000
BLAKE	30	MANAGER	2850
JONES	20	MANAGER	2975
CLART	10	MANAGER	2450
ALLEN	30	SALESMAN	1600
MILLER	10	CLERK	1300
MARTIN	30	SALESMAN	1250
SCOTT	20	ANALYST	3000
JAMES	30	CLERK	950
FORD	20	ANALYST	3000
WARD	30	SALESMAN	1250

rowid를 이용하여 table에 접근함.



- DB DB

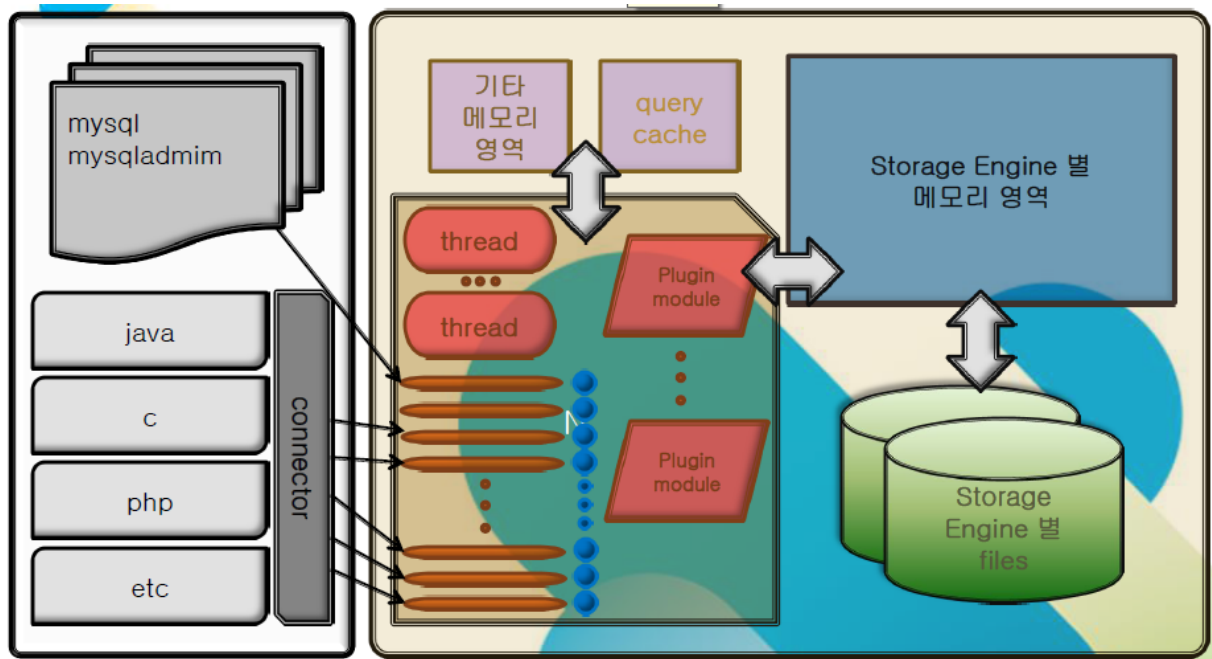
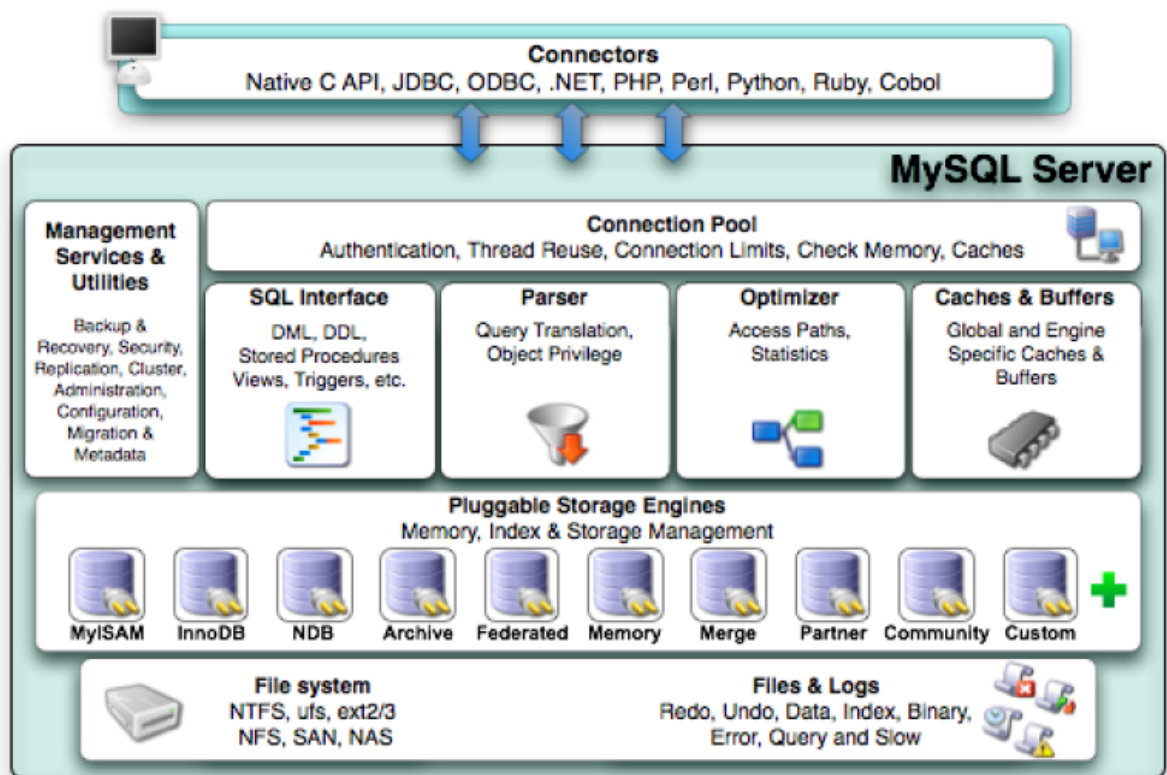
2.user정보를 통한 접근 계정 체크



-
-
- - 1:1
- username = schema

8) MySQL

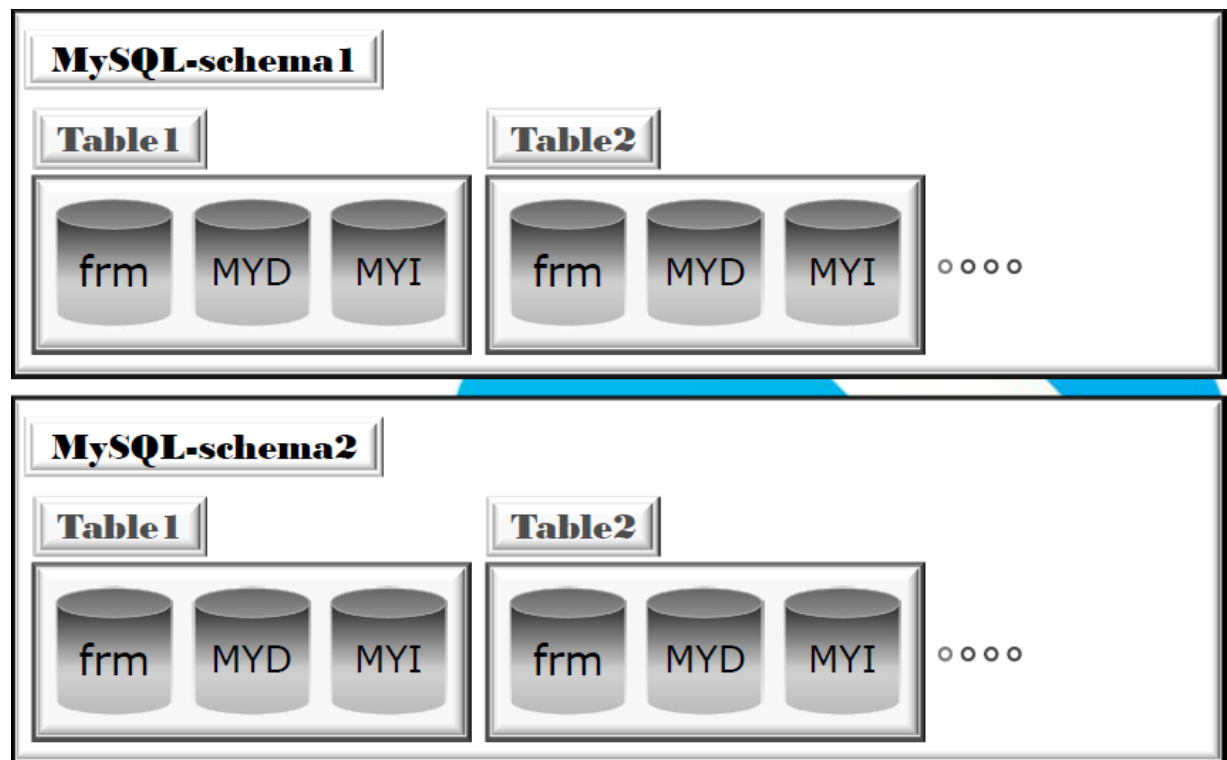
- RDBMS
- Storage Engine
- , ,
- Web Service RDBMS
-



Storage Engine	
MyISAM	
Memory	

InnoDB	
NDB	
Merge	
Federated	
Archive	
BlackHole	

- 3rd Party
- MyISAM



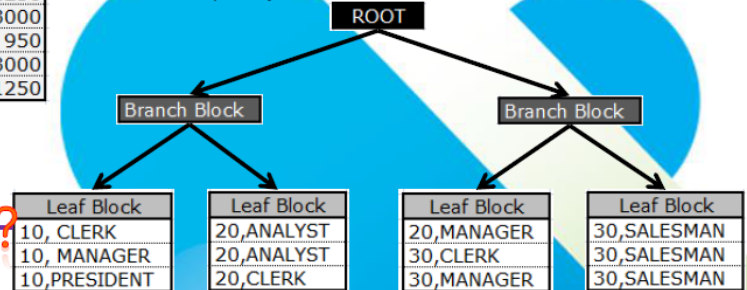
- frm:
- MYD:
- MYI:
- 3

<Table: PK ename MYD file>

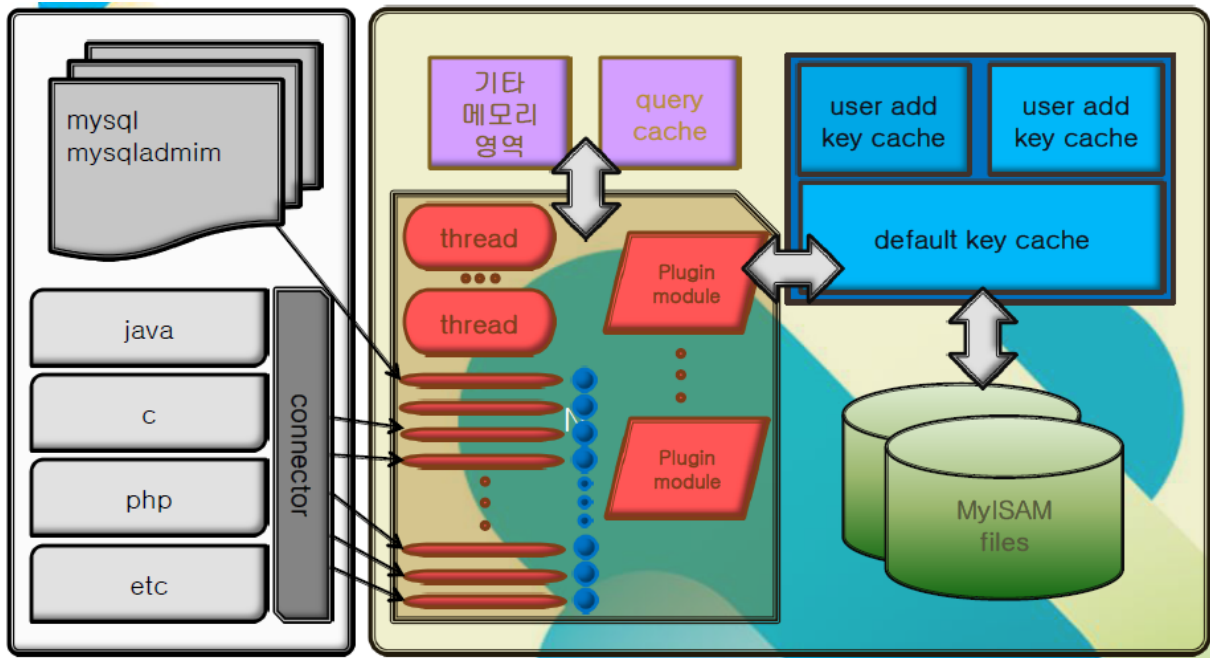
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SCOTT	20	ANALYST	3000
JAMES	30	CLERK	950
FORD	20	ANALYST	3000
WARD	30	SALESMAN	1250

record pointer를 이용하여 table에 접근함.

<Index: depno+job MYI file>

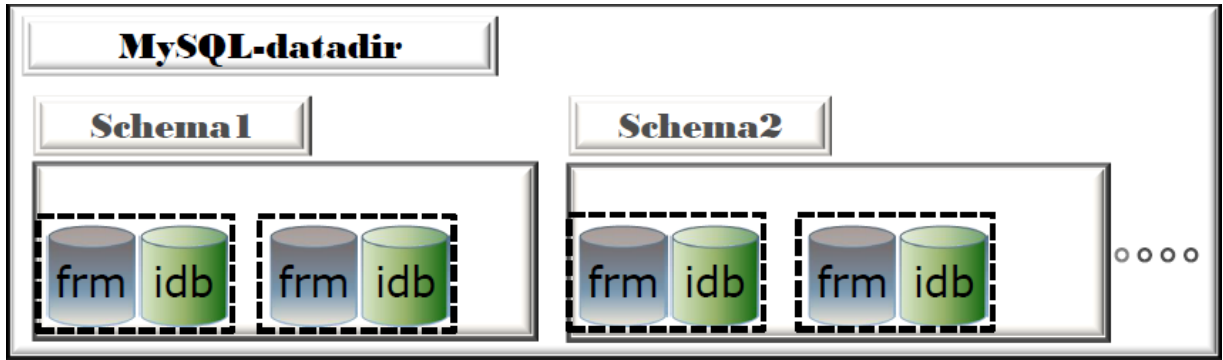


- MyISAM

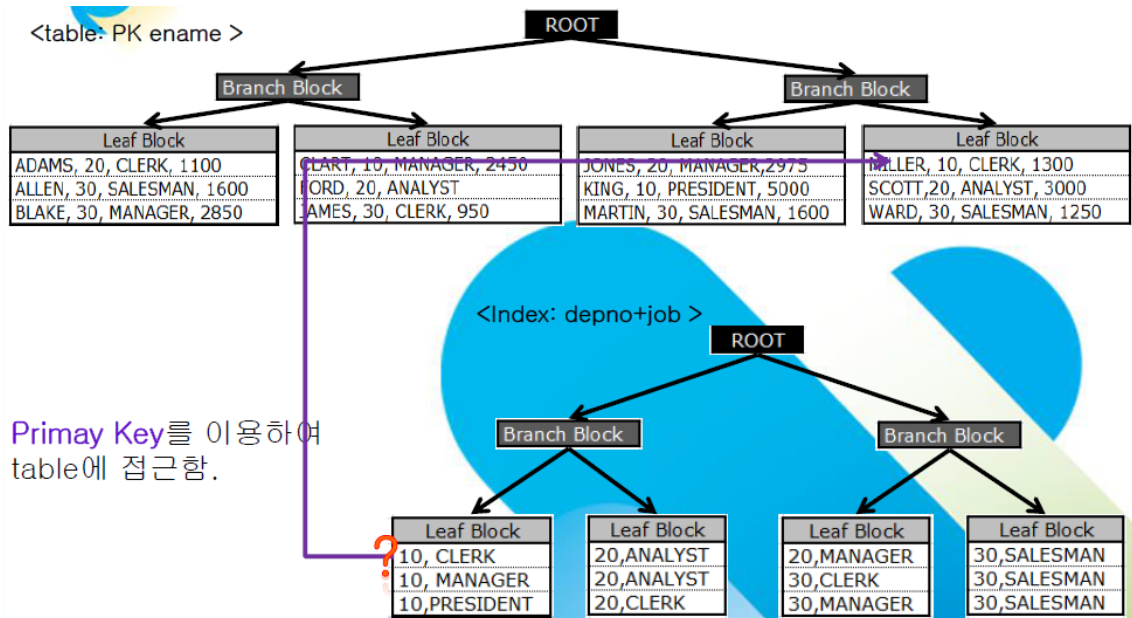


- InnoDB

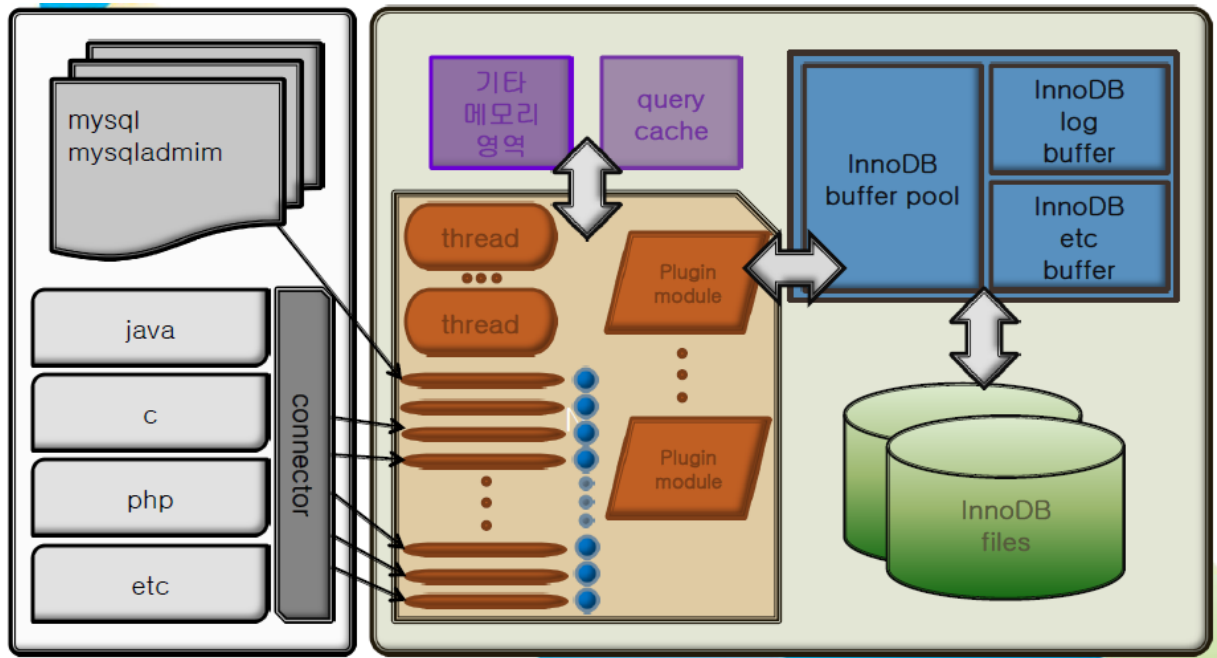




-
- 1.
-
- B leaf block



- InnoDB



- Account(username@host) .
- username host . host username , account .
-

PPT : DB -.pptx