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JDBC



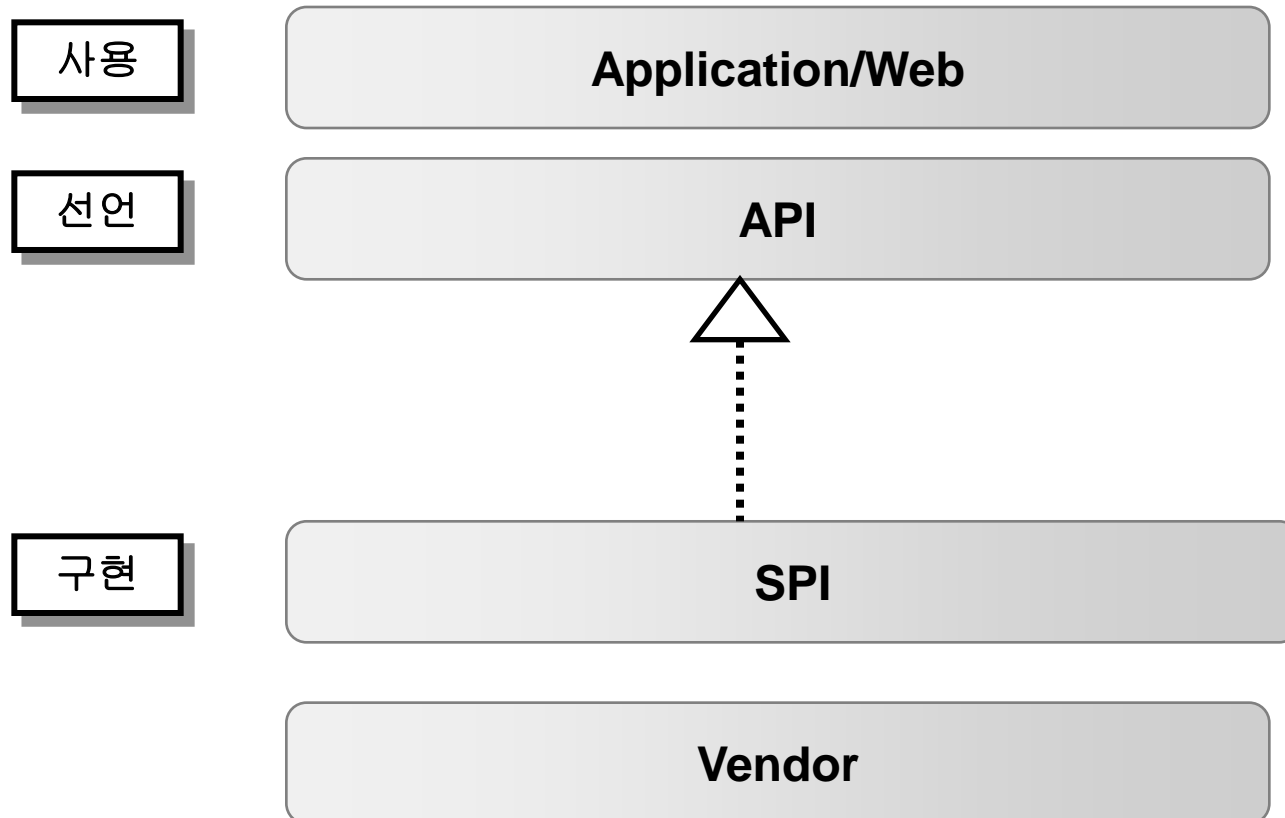
JDBC

.Database

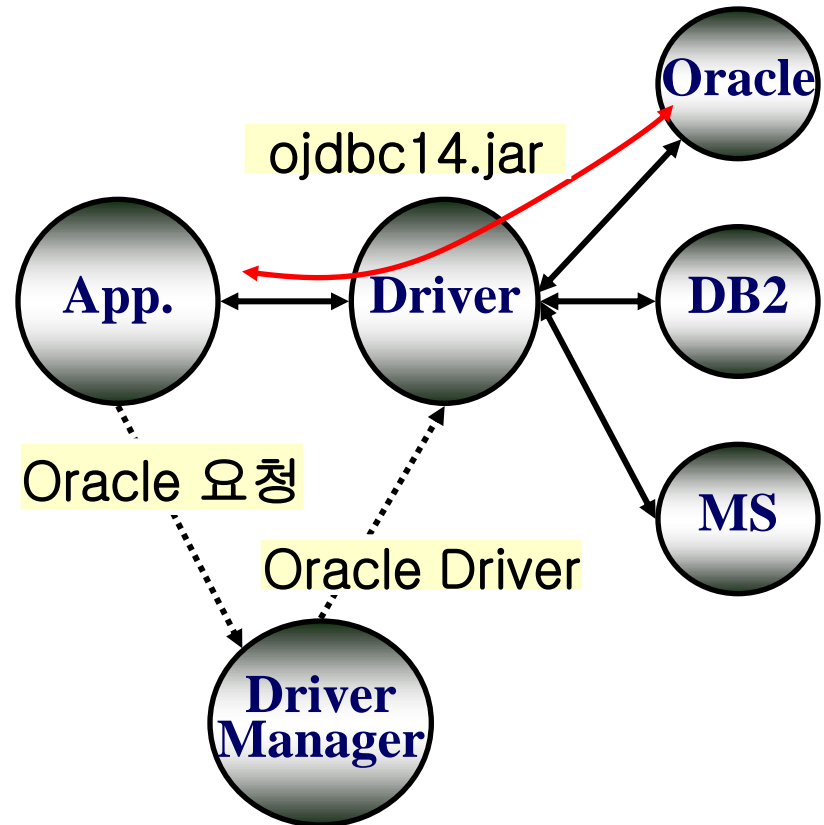
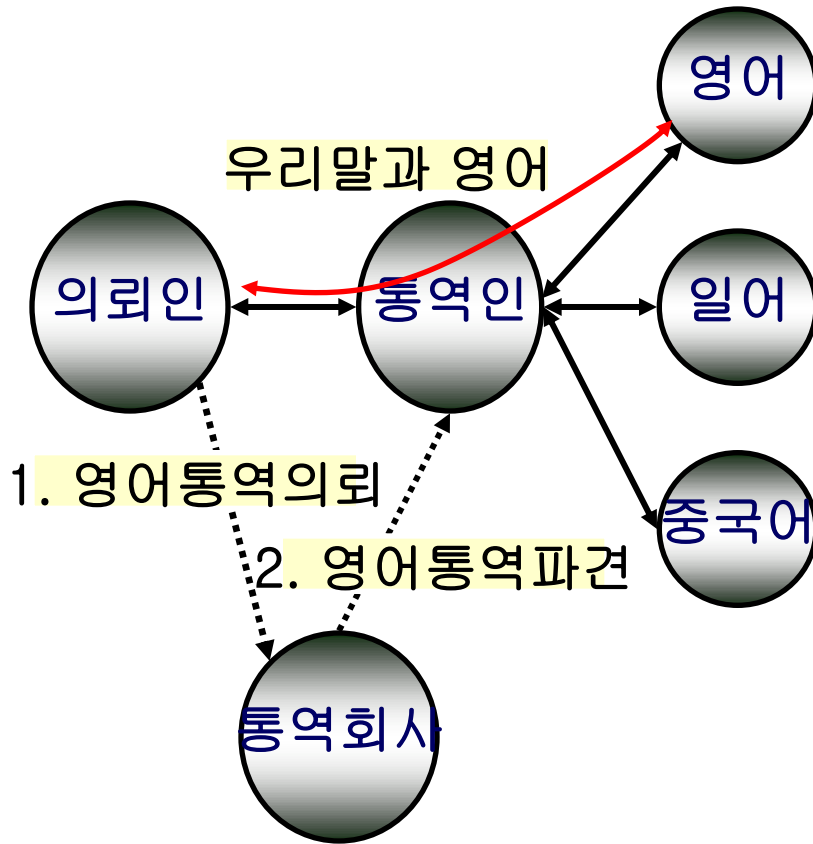
.JDBC



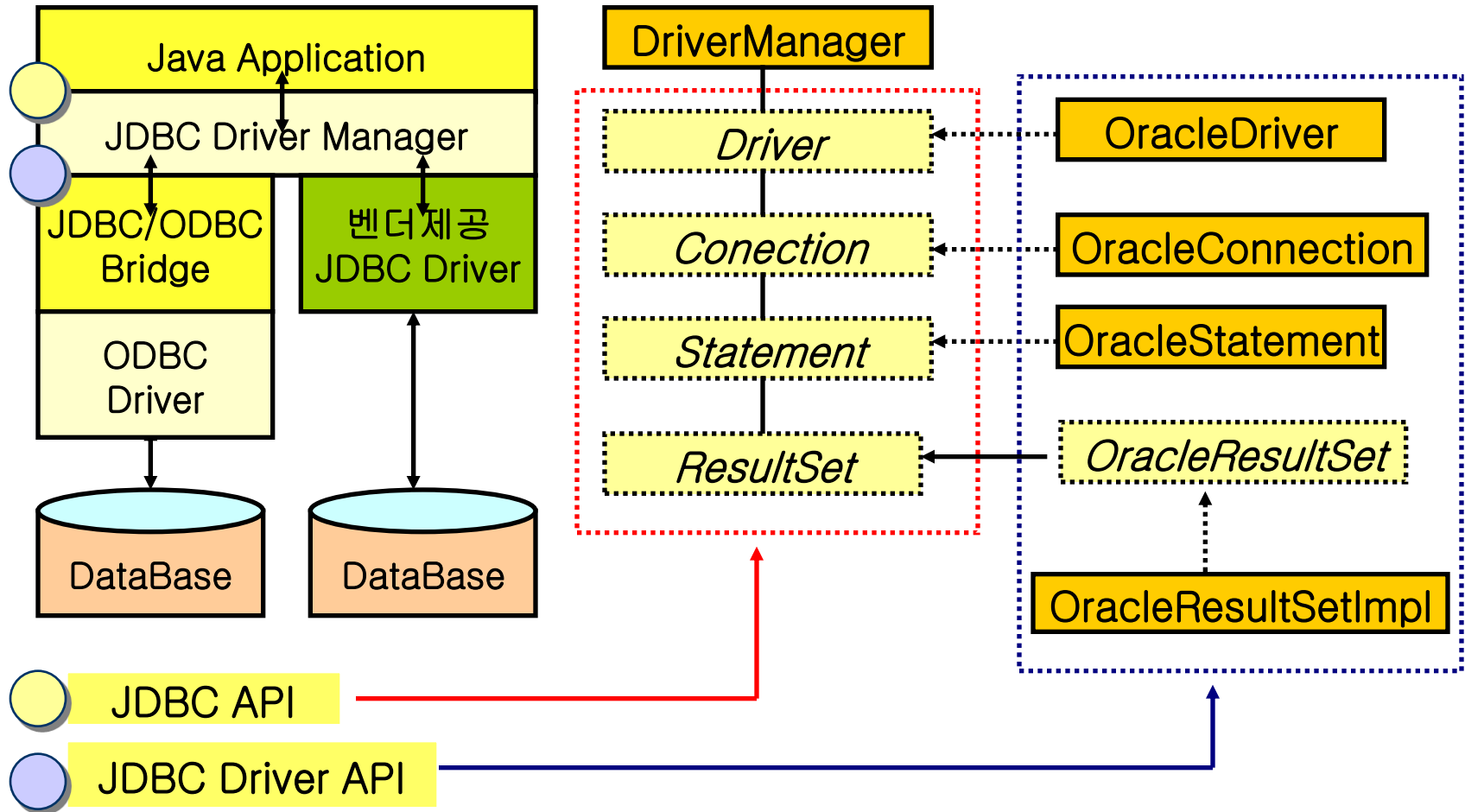
@ API vs. SPI



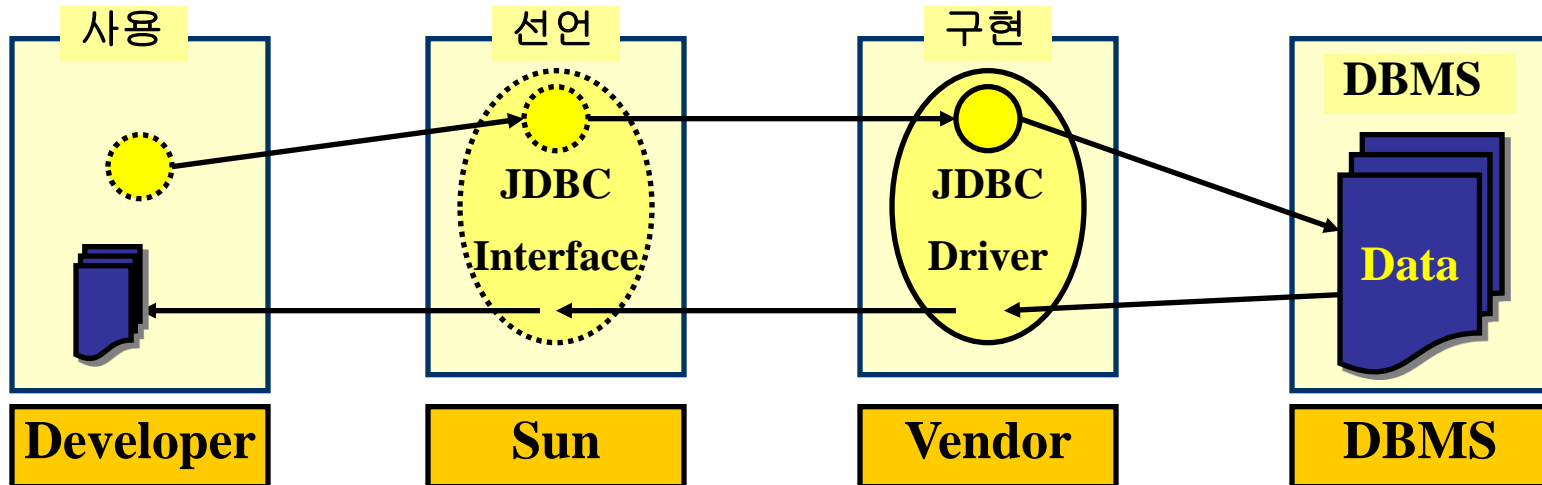
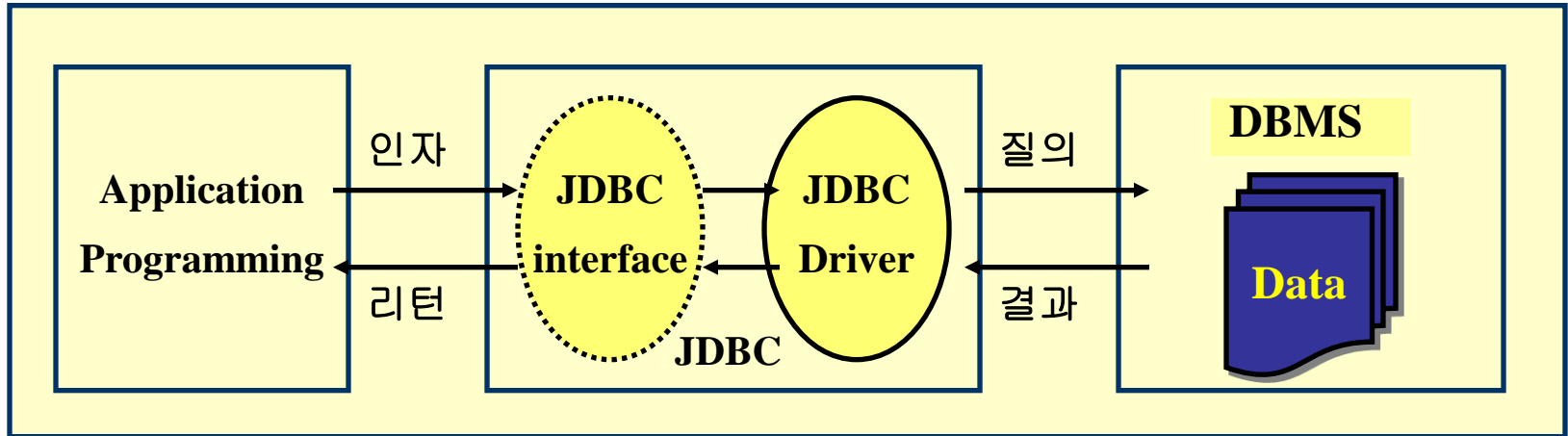
JDBC 수행원리



JDBC & Driver



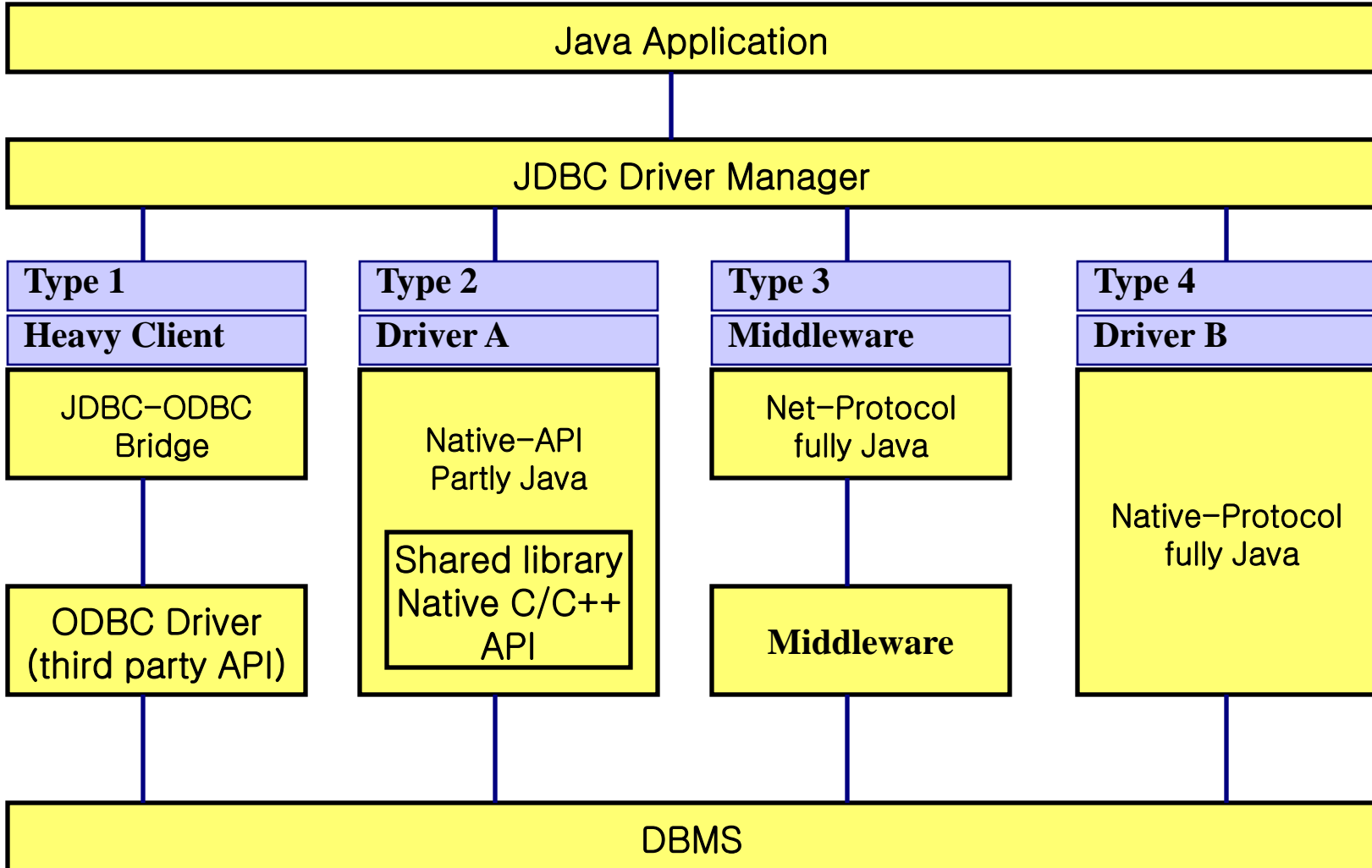
JDBC 역할-사용,선언,구현 분리



JDBC Driver Type & Vendors

JDBC driver	Driver Type	Driver Class	URL
JDK 기본 driver	1	sun.jdbc.odbc.JdbcOdbcDriver	"jdbc:odbc:<dbname>"
오라클 8i, 9i thin driver	4	oracle.jdbc.driver.OracleDriver	"jdbc:oracle:thin:@<server-ip>:1521:<SID>"
오라클 OCI driver	2	oracle.jdbc.driver.OracleDriver	"jdbc:oracle:oci8:@<dbname>"
사이베이스 Connect driver 5.0	2	com.sybase.jdbc2.jdbc.SybDriver	"jdbc:sybase:Tds:<ip>:<port>"
인포믹스 driver 2.0 JC1	4	om.informix.jdbc.IfxDriver	"jdbc:informix-sql://<ip>:<port>/<dbname>:INFORMIXSERVER"
mSQL Imaginary JDBC driver	4	com.imaginary.sql.msql.MsqlDriver	"jdbc:msql://<ip>:<port>/<dbname>"
Postgress driver	4	postgresql.Driver	"jdbc:postgresql://<ip>:<port><dbname>"
MM MySQL driver	4	org.git.mm.mysql.Driver	"jdbc:mysql://<ip>: 3306/<dbname>"

JDBC Driver Type



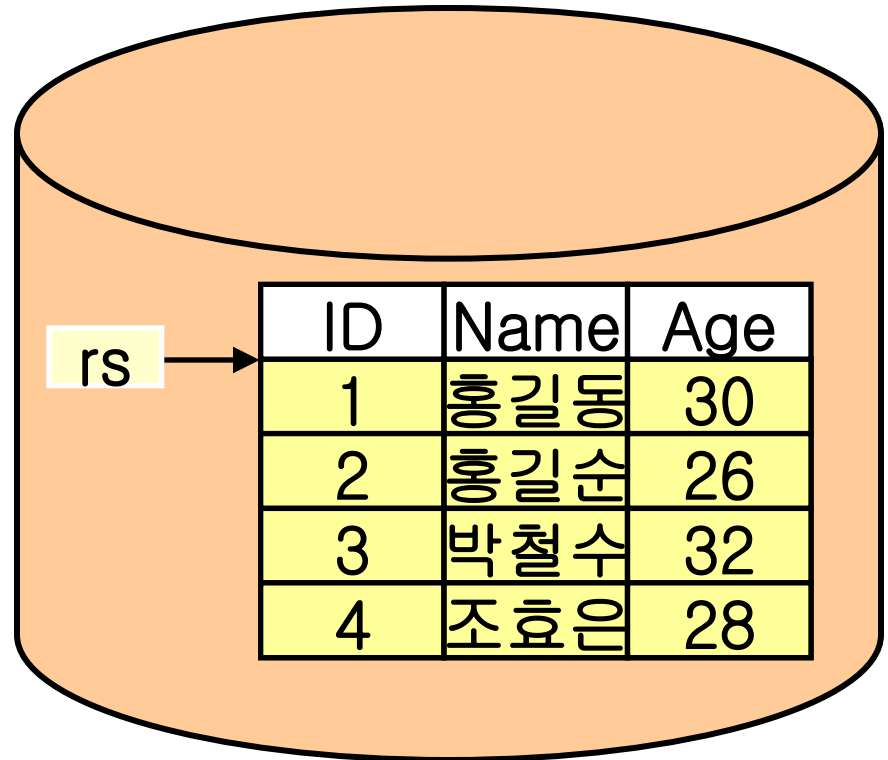
Table, Row and Column

	ID	Name	Age
Row 1	1	홍길동	30
Row 2	2	홍길순	26
Row 3	3	박철수	32
Row 4	4	조효은	28

Column 1 Column 2 Column 3

JDBC수행원리

```
ResultSet rs  
=stmt.executeQuery(sql);
```



ResultSet

```
while(rs.next()){  
    int i=rs.getInt(1);  
    String str=rs.getString(2);  
}
```

rs

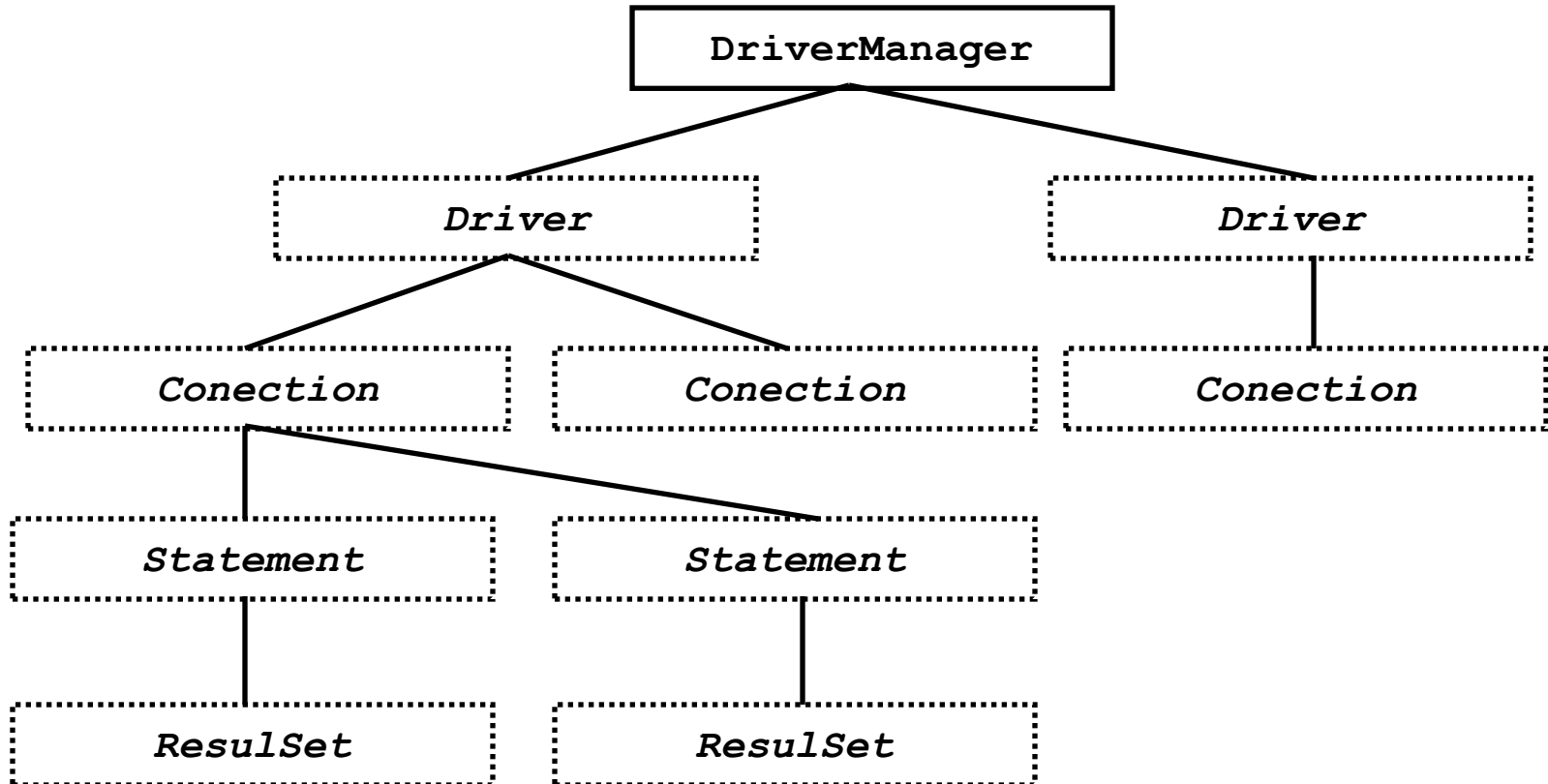
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1	홍길동	30
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rs

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DriverManager



DriverManager

