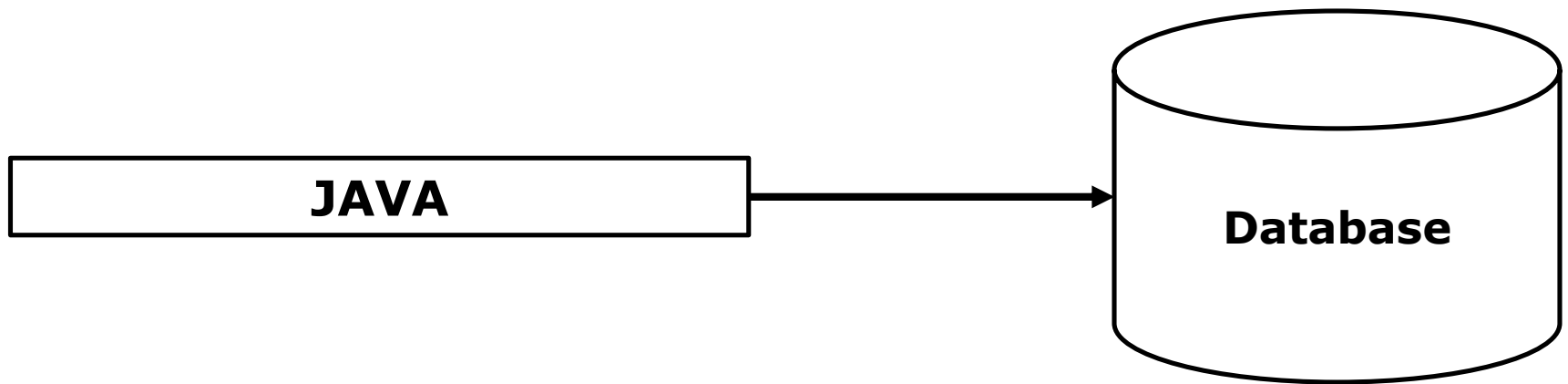
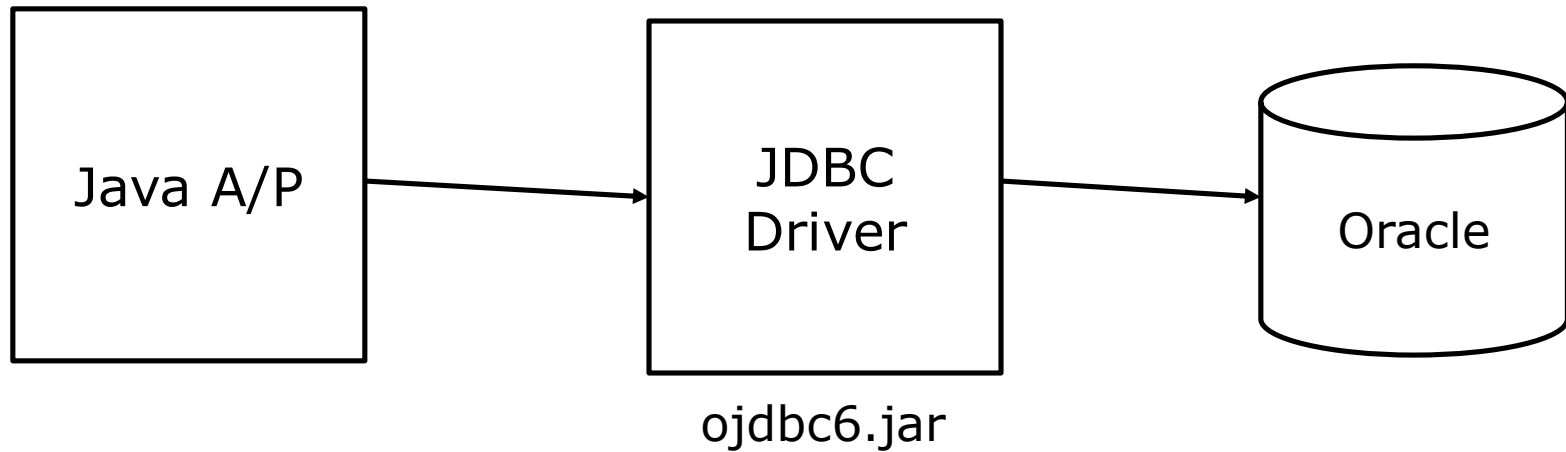


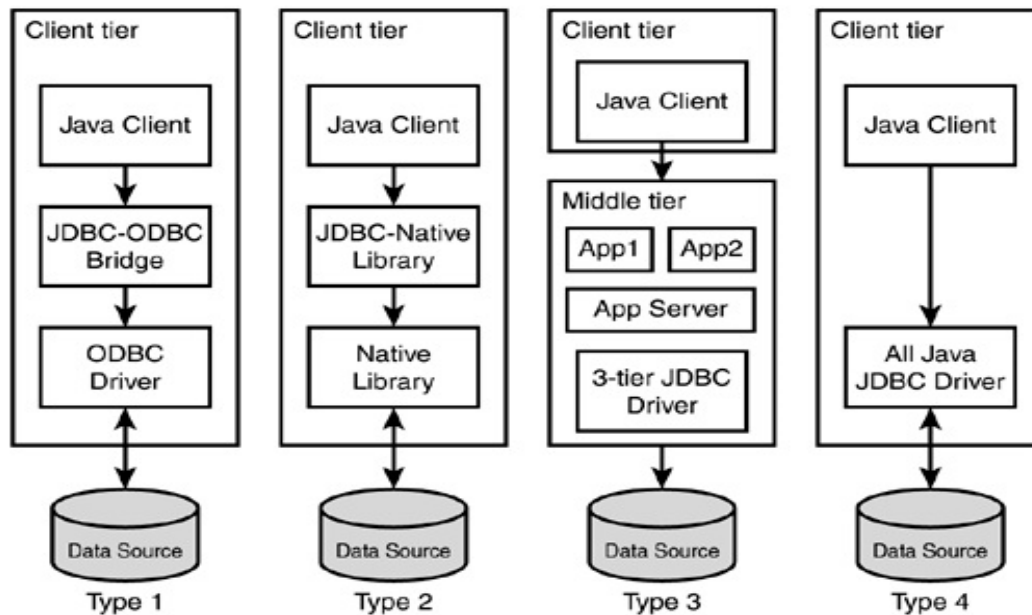
---

# JDBC





# JDBC Drivers



# JDBC Drivers

---

- 1) JDBC-ODBC bridge driver
- 2) Native-API driver (partially java driver)
- 3) Network Protocol driver (fully java driver)
- 4) Thin driver (fully java driver)

# JDBC API

---

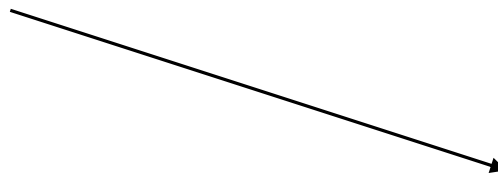
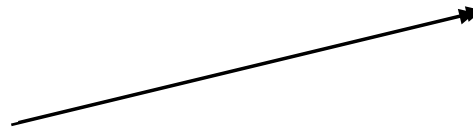
▣ `java.sql.*;`

DriverManager

Connection  
Statement  
ResultSet

Class

Interfaces



# JDBC Steps

---

- 1) Loading the Driver
- 2) Creating Connection
- 3) Creating Statement
- 4) Executing Statements

# Procedures

---

```
Class.forName("oracle.jdbc.driver.OracleDriver");
```

DriverManager

Connection      getConnection("String");

Statement      createStatement();

int              executeUpdate(String);

ResultSet      executeQuery(String);



---

```
select * from emp1;
```

```
select * from emp1 where eid=1;
```

```
insert into emp1 values('hari','cbe');
```

```
update emp1 set city='bangalore' where eid=2;
```

---

```
create table employee(eid number,ename varchar2(15),city varchar2(15));
```

```
create or replace procedure setEmployeeDetails(eid number,ename varchar2,city varchar2)
is
    begin
        insert into employee values(eid,ename,city);
        commit;
    end;
/
```

# Types of Statements

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- Statement
- PreparedStatement
- CallableStatement