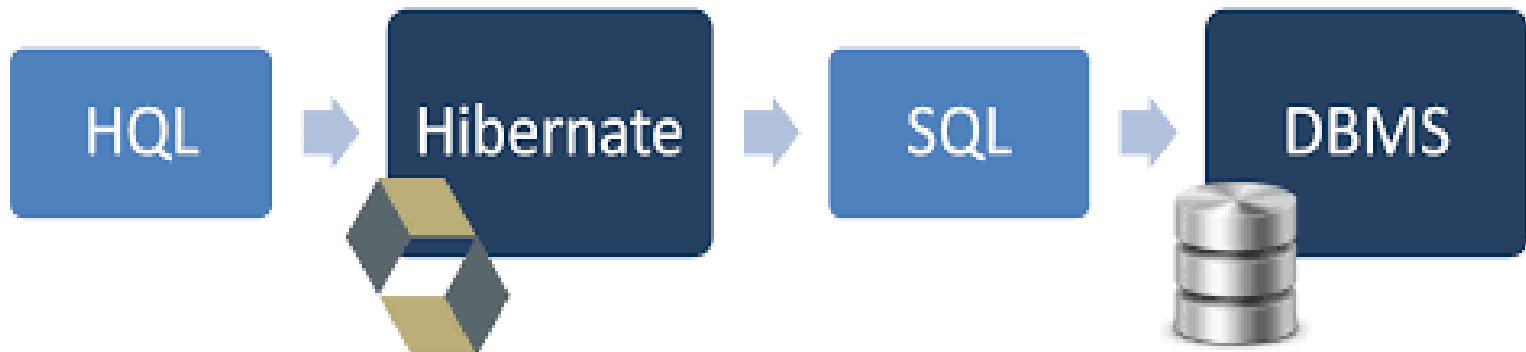# Hibernate Query Language

Presented by
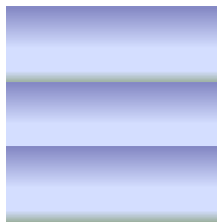
Sagar
Java Consultant

Hibernate Query Language

- HQL is similar to SQL

- Does not depend on database table

- Uses class names instead of table names

- Hence, DB independent query language

HQL → Hibernate → SQL → DBMS

HQL – FROM Clause

```
String hql = "FROM Employee";

Query query = session.createQuery(hql);

List empList = query.list();
```

List

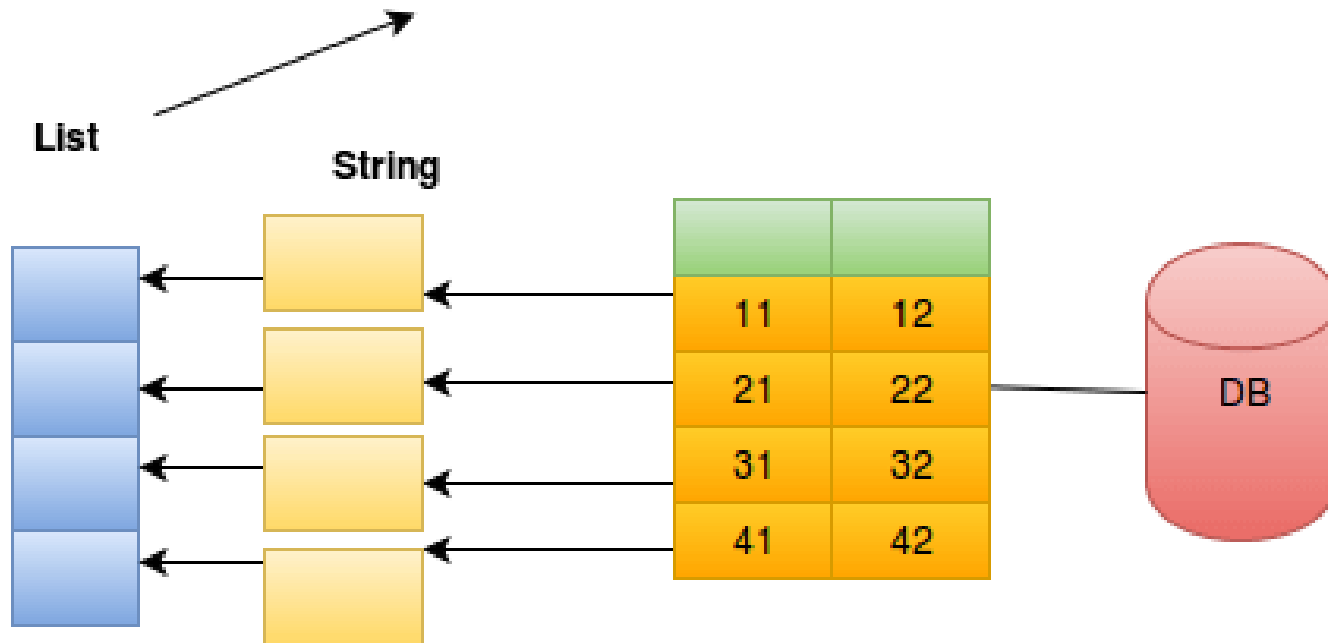| Emp Id	EmpName	Desig	Dept	Sal
---	---	---	---	---

HQL – SELECT Clause

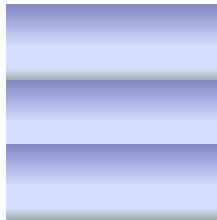Query qry = session.createQuery("select e.salary from Employee e");
List list = qry.list();

HQL – WHERE Clause

```
String hql = "FROM Employee E WHERE E.id = 1001";

Query query = session.createQuery(hql);

List empList = query.list();
```
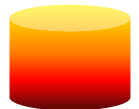
List

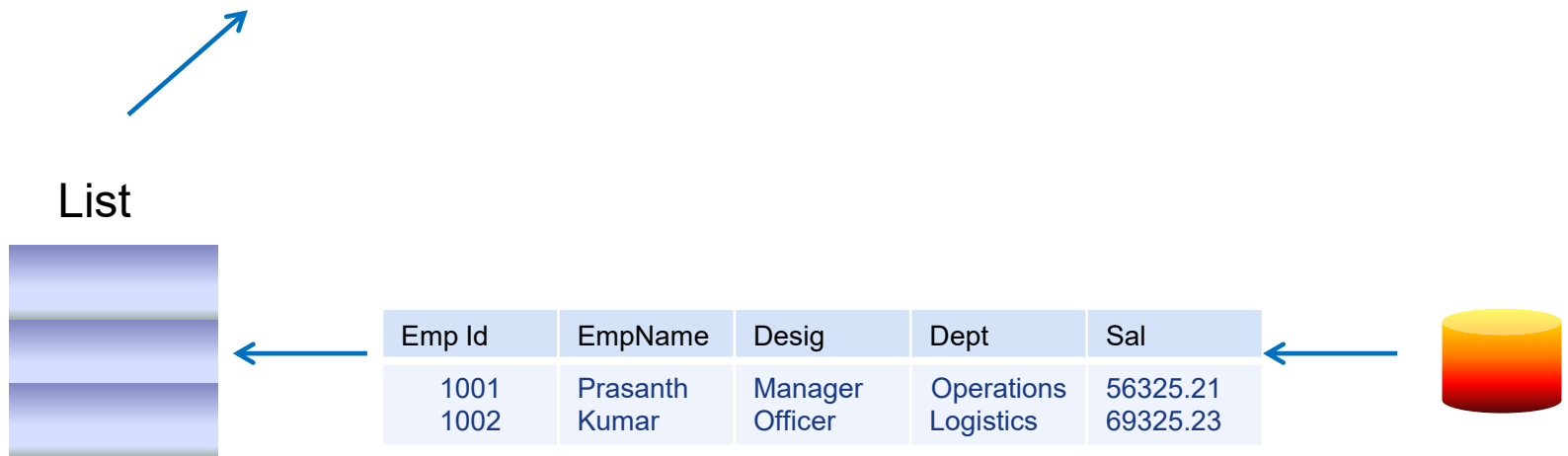| Emp Id	EmpName	Desig	Dept	Sal
1001	Prasanth	Manager	Operations	56325.21

```
String hql = "FROM Employee E WHERE E.id >= 1001 ORDER BY
                                              DESIG";

Query query = session.createQuery(hql);

List empList = query.list();
```
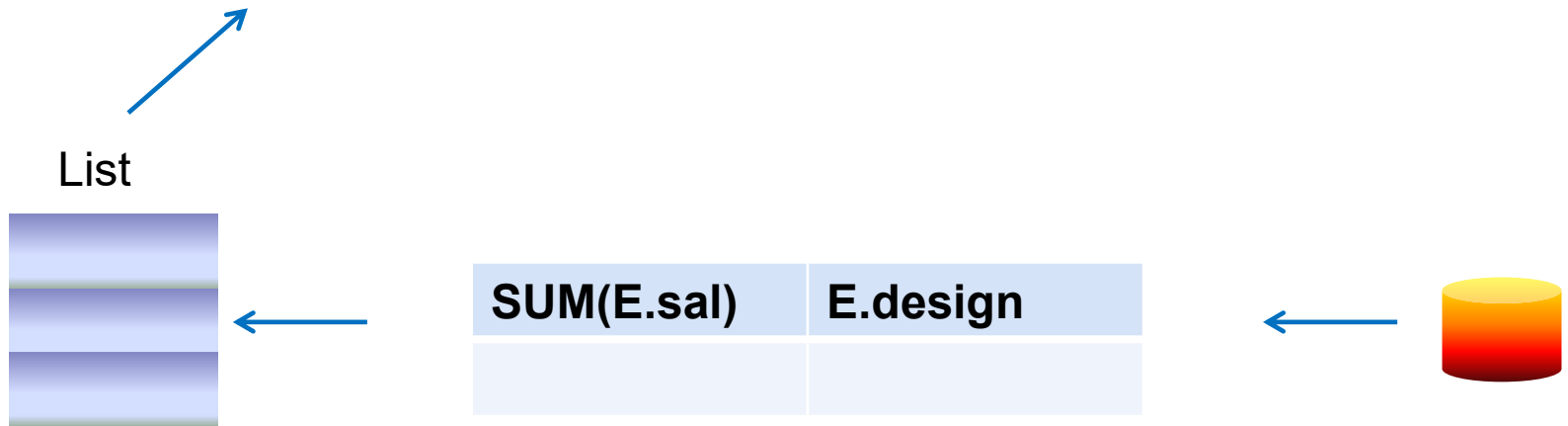
List

Emp Id	EmpName	Desig	Dept	Sal
1001	Prasanth	Manager	Operations	56325.21
1002	Kumar	Officer	Logistics	69325.23

HQL – GROUP BY Clause

```
String hql = "SELECT SUM(E.sal), E.desig FROM Employee E " +
        "GROUP BY E.desig";

Query query = session.createQuery(hql);
List empList = query.list();
```

List

SUM(E.sal)	E.design

Thank You