

```

가 100%
JPQL 가
JPQL: Java Persistence Query Language ( !! )
( SQL )
-> SQL (feat Dialect)
SQL, SQL
( )
: , , ( , ), DISTINCT
가
setFirstResult(0) - 0
( )
- ON
JPA 2.1 가 , ( 5.1 가 )
exists, ALL, ANY 가 , (NOT) IN 가
JPA WHERE, HAVING 가 , SELECT
FROM JPQL 가 ( )
Native Query Application , 2
JPQL
: 'HELLO', 'She''s'
: 10L, 10D, 10F
Boolean: TRUE, FALSES
ENUM: FQCN
: TYPE(m) = Member
: EXISTS, IN, AND, OR, NOT, =, >, >=, <, <=, <>, BETWEEN, LIKE, IS
NULL
CASE : 가
CASE :
COALESCE:
NULLIF:
CONCAT, SUBSTRING, TRIM, LOWER, UPPER, LENGTH, LOCATE, ABS, SQRT, MOD,
SIZE, INDEX(JPA )
(Dialect 가 ), select
function('group_concat', i.name) from Item i ...
: , m.username, , 가
:
: @ManyToOne, @OneToOne, , (INNER
JOIN) , 가 가
: @OneToMany, @ManyToMany, , m.orders,

```

가(size 가)
FROM 가 (join) (JOIN)
(fetch join)
JPQL (SQL)
SQL
join fetch 가 fetch join (-)
가)
JPA DISTINCT (SQL DISTINCT JPA DISTINCT 가)
() - N+1
가 (), 가
API . ()
, 가 ,
(N+1) - () 1000

TREAT(JAP 2.1), 가

JPQL 가

Named
@Entity JPQL (), XML 가
SQL 가 & Named , 가 -

JPA
JPA
UPDATE, DELETE
executeUpdate()
INSERT(insert into .. select,)

JPA Criteria
JPQL
JAVA (,) .
SQL 가 ()
, SQL

JPQL
, (Member)

(m) (as 가) - 가

QueryDSL
JPQL

, 가

SQL

JDBC API , MyBatis, SpringJdbcTemplate
em.persist()

// flush -> commit, query
createNativeQuery, createQuery flush

[jpa, jpql](#)

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