

Typical Hibernate Annotation:

```
@Query("select new example.DataCollector(
    s.server, a.app,i.instance)
    from AXS x join Server s on x.server = s.server
    join Application a on x.app = a.app
    join Instance i on x.instance = i.instance
    where s.server LIKE ?1%" )
    public List<DataCollector> findAllData();
```

SQL Template:

```
select * from data where id in (?,?,?,?,?) and key in (?,?,?)
```

Request Param:

```
curl -X POST
-d "key=example+1,example+2&id=1,2,3,4,5,6"
127.0.0.1:8080/test/query

curl -X POST
-d
"key=example+1&key=example+2&id=1&id=2&id=3&id=4&id=5&id=6" 127.0.0.1:8080/test/query
```

Java Code:

```
public List<Data> query(List<Integer> ids, List<String> keys){
   int idSize = ids.size();
   List<Object> args = new ArrayList<>();
   String questionmarks[] = new String[idSize];
   Arrays.fill(questionmarks, "?");
   args.addAll(ids);
   // flatten args into array
   String SQL = "SELECT * FROM DATA WHERE id IN (" +
      join(",", questionmarks ) + ")" + ...
   args.addAll(idSize, keys);
   return jdbcTemplate.query(SQL, args.toArray(),
                                   new DataMapper());
```

Java Code:

Runtime Error:

```
org.springframework.jdbc.BadSqlGrammarException:
org.postgresql.util.PSQLException
    ERROR: operator does not exist: integer = character varying
    Hint: No operator matches the given name and argument types.
```

Vendor-specific workaround: PostgreSQL (YugaByte):

Vendor-specific workaround: MySQL: