1:1 단방향 식별관계, 대상테이블에 외래키 실습

```
STS -> Spring Stater Project , name : onetoone-3
SQL : JPA, MySQL 선택

http://ojc.asia/bbs/board.php?bo_table=LecSpring&wr_id=524
(마리아 DB 설치는 위 URL에서 참조)
```

src/main/resources/application.properties

```
spring.datasource.platform=mysql
spring.datasource.url=jdbc:mysql://localhost/onetoone_3?createDatabaseIfNotExist=true
spring.datasource.username=root
spring.datasource.password=1111
spring.datasource.driver-class-name=com.mysql.jdbc.Driver
spring.datasource.sql-script-encoding=UTF-8
spring.jpa.hibernate.ddl-auto=create
spring.jpa.show-sql=true
```

demo.model.Emp.java

```
@Entity
public class Emp {
   @Id
   @GeneratedValue
  private Long empno;
  private String ename;
  public Emp(String ename) {
        this.ename = ename;
  }
  public Long getEmpno() {
        return empno;
public void setEmpno(Long empno) {
        this.empno = empno;
  }
   public String getEname() {
        return ename;
```

demo.model.Addr.java

```
package demo.model;
@Entity
public class Addr {
   @Id
         private Long id;
   private String address;
  //Addr 테이블에 empno 칼럼이 키로 생성
   @OneToOne(cascade=CascadeType.ALL)
   @MapsId
   @JoinColumn(name="empno")
  private Emp emp;
  public Addr(String address, Emp emp) {
      this.address = address; this.emp = emp;
  }
   public Emp getEmp() { return emp; }
   public void setEmp(Emp emp) {
      this.emp = emp;
  }
  public Addr(String address) {
      this.address = address; }
  public String getAddress() {
      return address; }
  public void setAddress(String address) {
     this.address = address;
  }
```

demo.repository.EmpRepository.java

```
package demo.repository;
import org.springframework.data.jpa.repository.JpaRepository;
import demo.model.Emp;
public interface EmpRepository extends JpaRepository<Emp, Long> { }
```

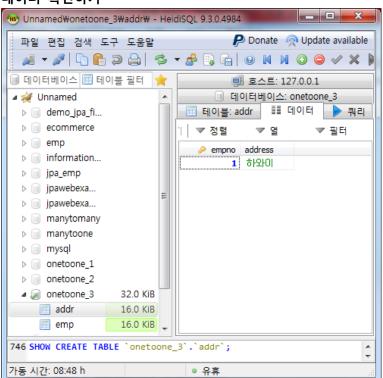
demo.repository.AddrRepository.java

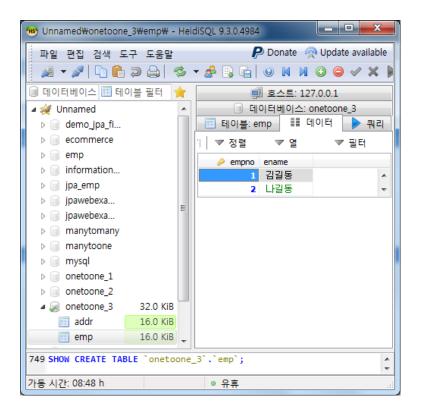
```
package demo.repository;
import org.springframework.data.jpa.repository.JpaRepository;
import demo.model.Addr;
public interface AddrRepository extends JpaRepository < Addr, Long>{ }
```

demo.Onetoone3Application.java

```
@SpringBootApplication
public class Onetoone3Application implements CommandLineRunner {
   public static void main(String[] args) {
      SpringApplication.run(Onetoone3Application.class,
args);
  }
   @Autowired
  EmpRepository empRepository;
   @Autowired
  AddrRepository addrRepository;
   @Transactional
   @Override
   public void run(String...args) {
      List < Emp > emps = new ArrayList();
                emps.add(new Emp("김길동"));
                emps.add(new Emp("나길동"));
                emps.add(new Emp("다길동"));
                empRepository.save(emps);
                //ALL Emp Display
```

데이터 확인하기





[실행 결과]

Hibernate: alter table addr drop foreign key FK_nqlgci8i855oq6mcrad87w5ks

Hibernate: drop table if exists addr Hibernate: drop table if exists emp

Hibernate: create table addr (empno bigint not null, address varchar(255), primary key (empno))

Hibernate: create table emp (empno bigint not null auto_increment, ename varchar(255), primary

key (empno))

Hibernate: alter table addr add constraint FK_nqlgci8i855oq6mcrad87w5ks foreign key (empno)

references emp (empno)

Hibernate: insert into emp (ename) values (?)

Hibernate: insert into emp (ename) values (?)

Hibernate: insert into emp (ename) values (?)

Hibernate: select emp0_.empno as empno1_1_, emp0_.ename as ename2_1_ from emp emp0_

//메인 출력

Emp[empno=1, ename='김길동']

Emp[empno=2, ename='나길동']

Emp[empno=3, ename='다길동']

Hibernate: insert into emp (ename) values (?)

Hibernate: insert into addr (address, empno) values (?, ?)

Hibernate: insert into addr (address, empno) values (?, ?)

Hibernate: delete from addr where empno=? Hibernate: delete from emp where empno=?