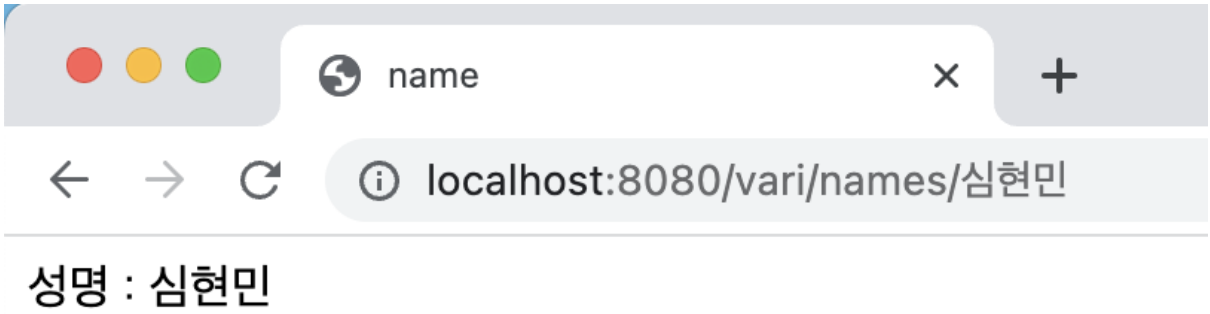
Spring Day 3

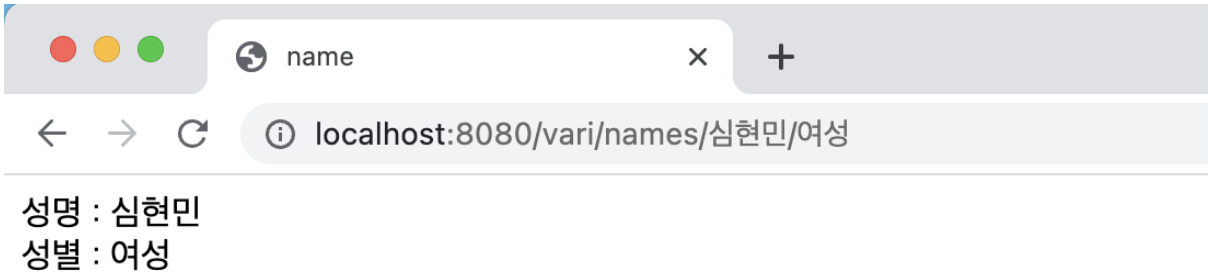
@PathVariable - 1 Variable

```
@Controller
@RequestMapping("/vari")
public class VariableController {

  @GetMapping("/names/{name}")
  public String namesMethod(@PathVariable String name, Model model) {
    model.addAttribute("data", "성명 : " + name);
    return "/study/name";
  }
}
```



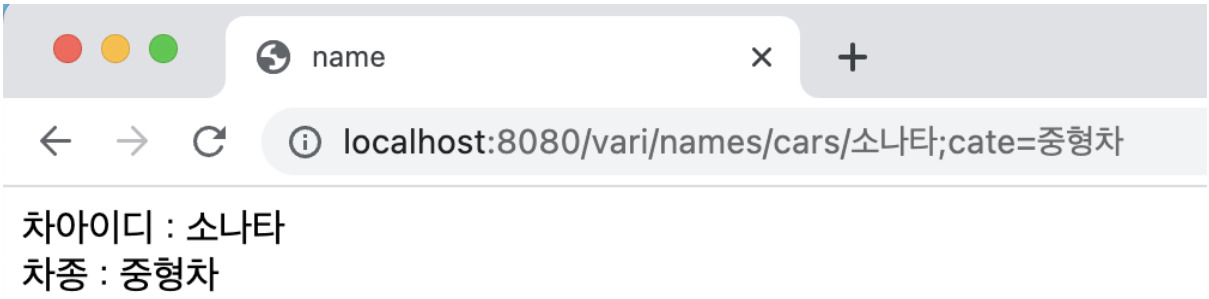
@PathVariable - 2 Variable or More

```
@GetMapping("/names/{name}/{gender}")
public String namesMethod2(@PathVariable String name, @PathVariable String gender, Model model) {
  model.addAttribute("data", "성명 : " + name + "<br>성별 : " + gender);
  return "/study/name";
}
```



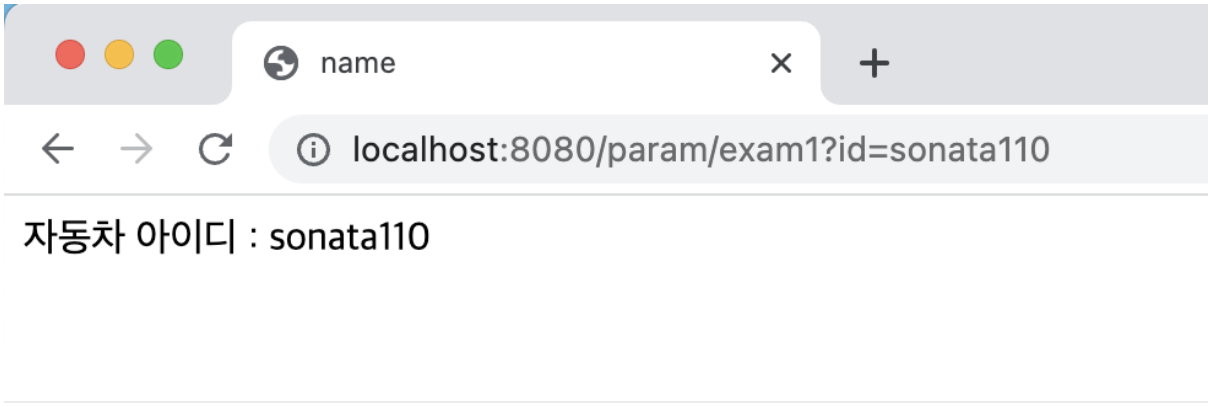
@MatrixVariable

```
@GetMapping("/names/cars/{carId}")
public String namesMethod3(
    @PathVariable String carId,
    @MatrixVariable String cate,
    Model model) {

  model.addAttribute("data", "차아이디 : " + carId + "<br>" +
                          "차종 : " + cate);

  return "/study/name";
}
```



@RequestParam

```
@Controller
@RequestMapping("/param")
public class ParamController {

  @GetMapping("/exam1")
  public String exam1(@RequestParam String id, Model model) {
    model.addAttribute("data", "자동차 아이디 : "+id);
    return "/study/name";
  }
}
```



실습 일치하는 정보를 찾아서 출력

1. repository

```
public interface CarRepository {
  List<CarDTO> getAllCarList();
  CarDTO getCarById(String carId);
}
```

2. repositoryImpl

```
@Override
public CarDTO getCarById(String carId) {
  CarDTO carInfo = null;

  for(int i=0; i<listOfCars.size(); i++) {
    CarDTO carDTO = listOfCars.get(i);
    if(carDTO != null && carDTO.getCid() != null && carDTO.getCid().equals(carId)) {
      carInfo = carDTO;
    }
  }
  if(carInfo == null) {
    throw new IllegalArgumentException("자동차 ID 가 "+carId+"인 자동차는 없습니다. ");

  }
  return null;
}
```

3. service

```
public interface CarService {
  List<CarDTO> getAllCarList();
  CarDTO getCarById(String carId);
}
```

4. serviceImpl

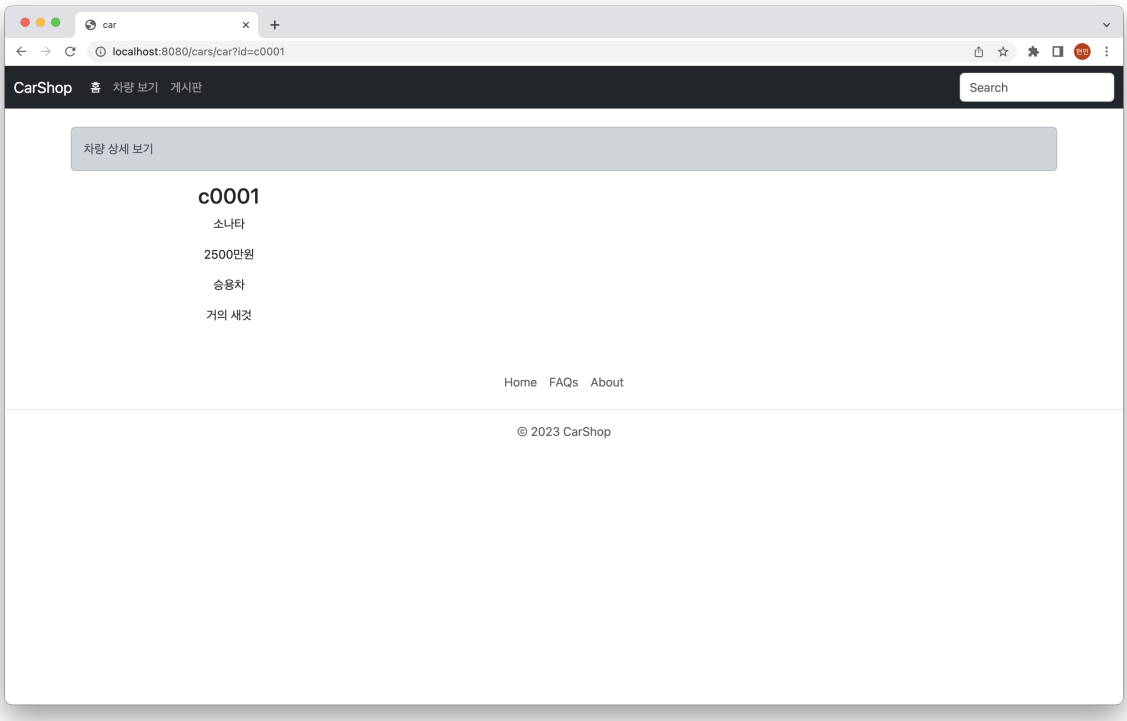
```
@Override
public CarDTO getCarById(String carId) {
  CarDTO carById = carRepository.getCarById(carId);
  return carById;
}
```

5. controller

```
@GetMapping("/car")
public String requestCarById(@RequestParam("id") String carId, Model model) {
  CarDTO carById = carService.getCarById(carId);
  model.addAttribute("car",carById);
  return "/car/car";
}
```

6. jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>car</title>
</head>
<body>
  <%@ include file="../includes/header.jsp"%>
  <div class="container">
    <div class="alert alert-dark" role="alert">차량 상세 보기</div>
  </div>
  <div class="container">
    <div class="row" align="center">
      <!-- 차량 -->
      <div class="col-md-4">
        <h3>${car.cid }</h3>
        <p>${car.cname }</p>
        <p>${car.cprice }만원</p>
        <p>${car.ccate }</p>
        <p>${car.cdesc }</p>
      </div>
    </div>
  </div>
  <%@ include file="../includes/footer.jsp"%>
</body>
</html>
```


car
localhost:8080/cars/car?id=c0001
CarShop
홈
차량 보기
게시판
Search
차량 상세 보기
c0001
소나타
2500만원
승용차
거의 새것
Home
FAQs
About
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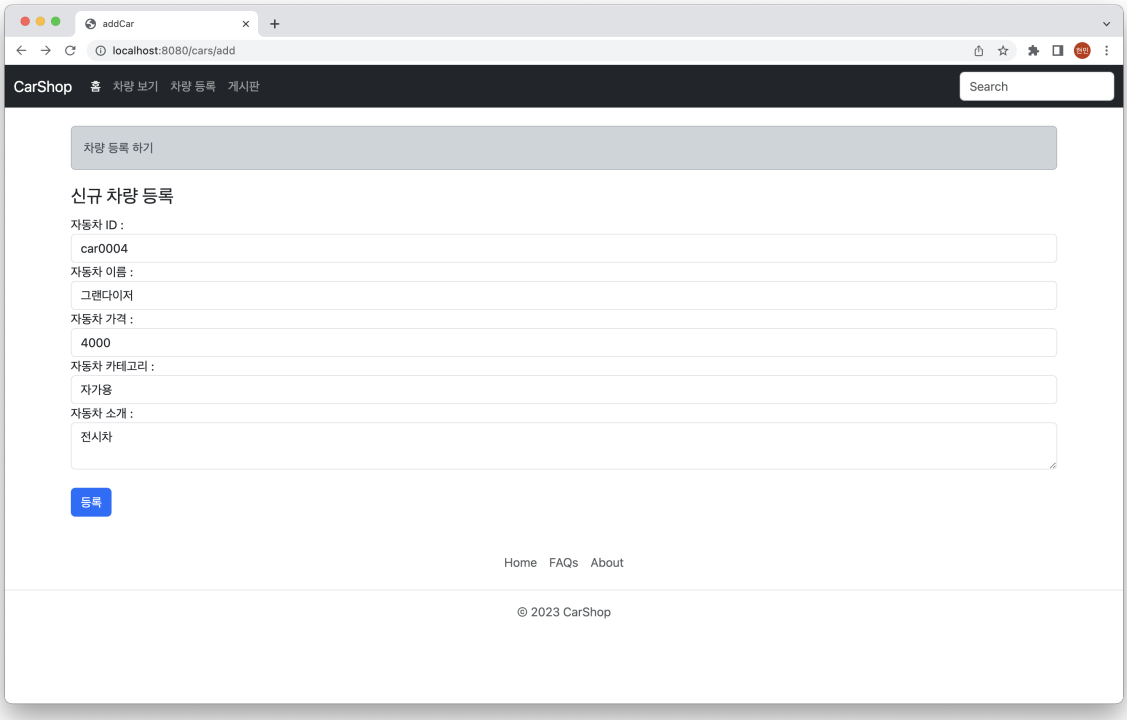
addCar
localhost:8080/cars/add
CarShop
홈
차량 보기
차량 등록
게시판
Search
차량 등록 하기
신규 차량 등록
자동차 ID :
car0004
자동차 이름 :
그랜다이저
자동차 가격 :
4000
자동차 카테고리 :
자가용
자동차 소개 :
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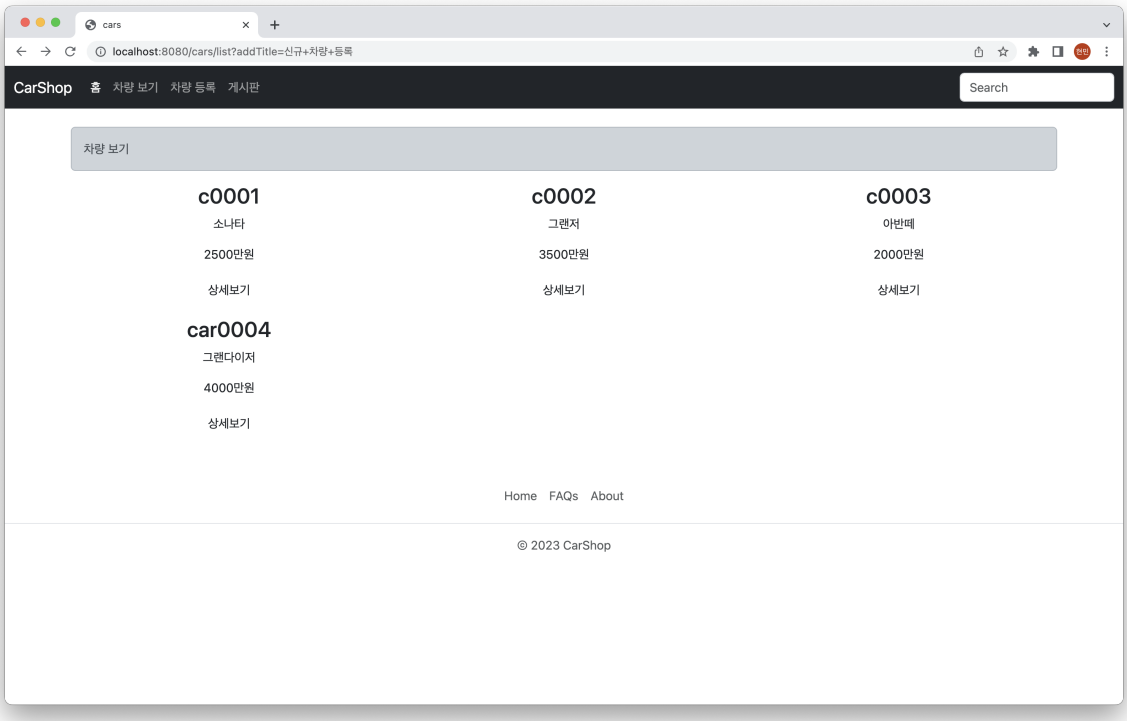
cars
localhost:8080/cars/list?addTitle=신규+차량+등록
CarShop
홈
차량 보기
차량 등록
게시판
Search
차량 보기
c0001
소나타
2500만원
상세보기
c0002
그랜저
3500만원
상세보기
c0003
아반떼
2000만원
상세보기
car0004
그랜다이저
4000만원
상세보기
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