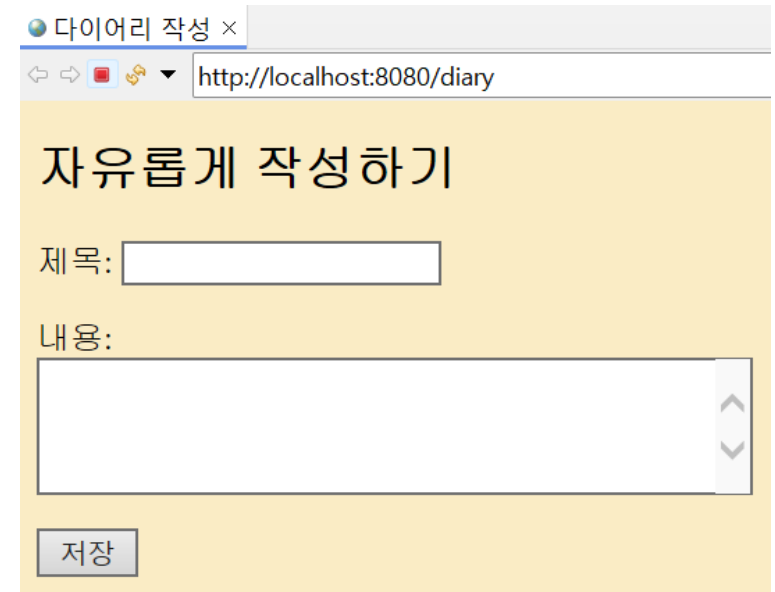


Quiz #1 diary.html에서 틀린 부분 2가지를 찾아서 수정하세요.

```
<!DOCTYPE html>
<html><head><meta charset="UTF-8">
<title>다이어리 작성</title>
<style>
  body{background-color:#FAECC5;}
</style></head>
<body>
<h2>자유롭게 작성하기</h2>
<form method="get" action="/diary/insert">
제목: <input type="text" name="je"> <p>
내용:<br>
<input type="text" name=" nae"> <p>
</form>
<button>저장</button>
</body>
</html>
```



다이어리 작성 ×

http://localhost:8080/diary

자유롭게 작성하기

제목:

내용:

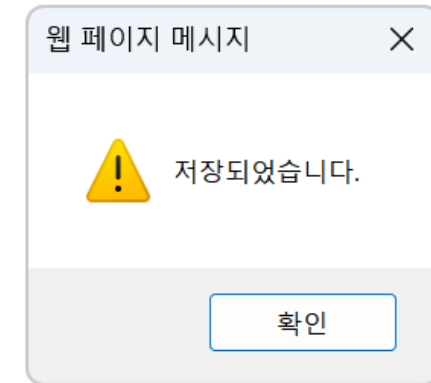
저장

Quiz #2 diaryPopup.html에서 틀린 부분 1가지를 찾아서 수정하세요.

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head><meta charset="UTF-8">
<title>안내글</title></head>
<body>

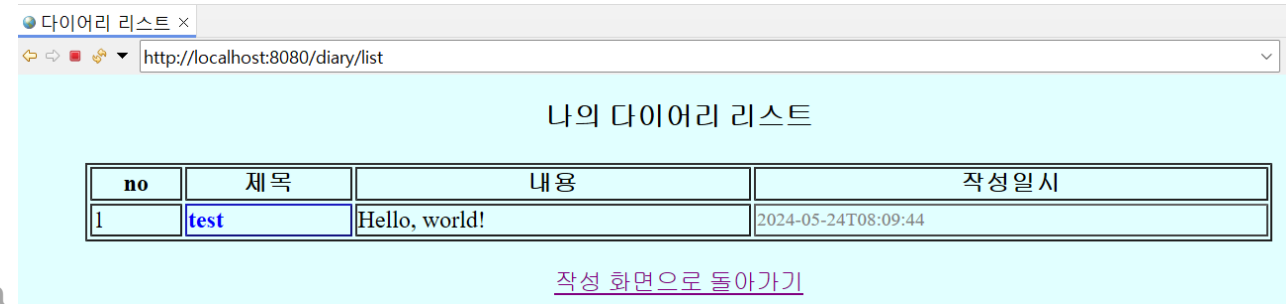
<style th:inline="javascript">
    alert([[${msg}]]);
    location.href="/diary/list";
</style>

</body>
</html>
```




Quiz #3 라임네모를 채워서 diaryList.html를 완성하세요.

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head><meta charset="UTF-8">
<title>다이어리 리스트</title><style>
body {background-color:rgb(225, 255, 255);}
table {width: 800px;} .td1 { color:blue; font-weight:bold;}
.td2 {color:gray; font-size:0.8em;}</style></head>
<body><div align="center">
<h3>나의 다이어리 리스트</h3>
<table border="1">
  <tr> <th>no <th>제목 <th>내용 <th>작성일시
  <tr <td colspan="4">
    <td th:text="${a.no}" id="td1">id
    <td th:text="${a.je}" class="td1">pw
    <td th:text="${a.nae}">name
    <td th:text="${a.wdate}" class="td2">wdate
  </td><td colspan="4">
    <a href="/diary">작성 화면으로 돌아가기</a>
  </td></tr>
</table><br>
</div></body>
</html>
```



Quiz #4 컬럼 no는 자동 증가되도록 하려고 합니다. 핑크네모에 들어갈 내용은?

```
drop table if exists diary;
```

```
create table diary (  
    no int  primary key,  
    je char(30),  
    nae char(100),  
    wdate datetime  
);
```

```
insert into diary values(null, 'test', 'Hello, world!', now());
```

Quiz #5 핑크네모를 채워서 diary.java 를 완성하세요.

```
package com.web.p6;
import java.time.LocalDateTime;
import org.hibernate.annotations.CreationTimestamp;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;

public class diary {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    public Integer no;
    public String je;
    public String nae;
    @CreationTimestamp
    public LocalDateTime wdate;
} // class
```

Quiz #6 락입네모를 채워서 diaryRep.java 를 완성하세요.

```
package com.web.p6;
```


```
import org.springframework.data.jpa.repository.JpaRepository;
```

```
public interface diaryRep extends JpaRepository<  > {  
  
}
```

Quiz #7 diaryController.java 에서 라임네모에 들어갈 내용은?

```
package com.web.p6;
```

```
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.stereotype.Controller;  
import org.springframework.ui.Model;  
import org.springframework.web.bind.annotation.GetMapping;  
import org.springframework.web.servlet.mvc.support.RedirectAttributes;  
import org.springframework.web.bind.annotation.RequestParam;
```

```
  
public class diaryController {  
  
    @Autowired  
    private diaryRep drep;  
  
    /* 여기 메소드 4개가 들어갑니다. */  
  
} // class
```

```
@GetMapping("/diary")
public String memo() {
    return "diary";
}
```

```
@GetMapping("/diary/insert")
public String diaryInsert(@RequestParam("je") String je,
                          @RequestParam("nae")String nae,
                          RedirectAttributes re) {

    diary m = new diary();
    m.je = je;
    m.nae = nae;
    drep.save(m);

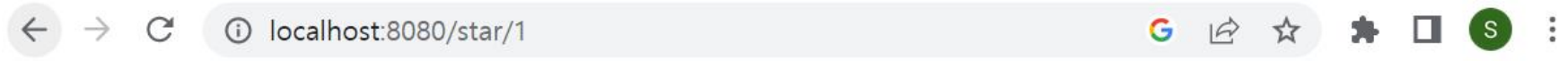
    re.addAttribute("msg", "저장되었습니다.");
    return "redirect:/diary/popup";
}
```



```
@GetMapping("/diary/popup")
public String diaryPopup(@RequestParam("msg") String msg,
                        Model mo) {
    mo.addAttribute("msg", msg);
    return "diaryPopup";
}
```

```
@GetMapping("/diary/list")
public String diaryList(Model mo) {
    mo.addAttribute("arr", drep.findAll());
    return "diaryList";
}
```

Quiz #8 Who is your favorite star? 구현



Who is your favorite star? (첫 번째 매치)



☐ 람보르**



☐ 옵티**

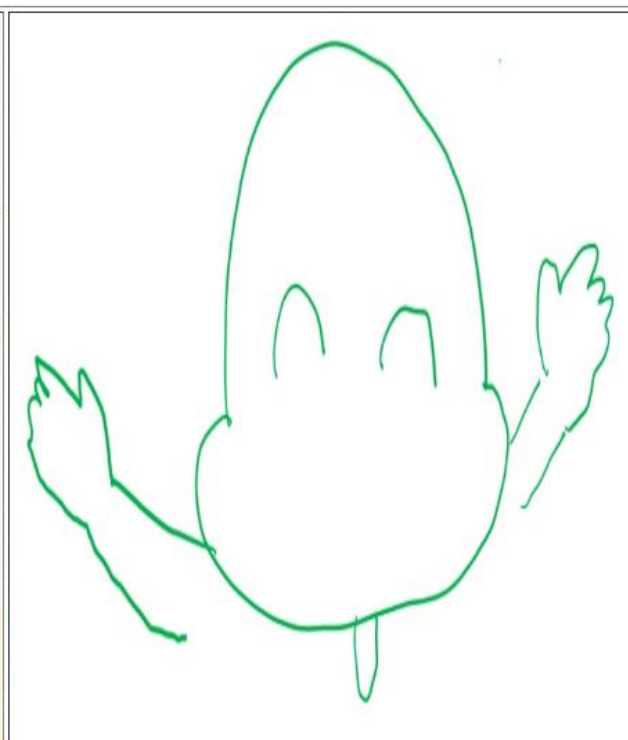
선택

그림 출처: 나무위키 등

Who is your favorite star? (두 번째 매치)



☐ 해바라기 by Van Gogh



☐ 둘리 by me

선택

```
<td>
```

```
...
```

```
<th><input type="radio" name="winner" th:value="${choice1}">  
<span th:text="${choice1}"></span>
```

← → ↻ ⓘ localhost:8080/star/3?choice2=해바라기&choice1=람보르기니 ⌂ ☆ 🗖 S ⋮

Who is your favorite star? (결승!!!)



☐ 람보르기니

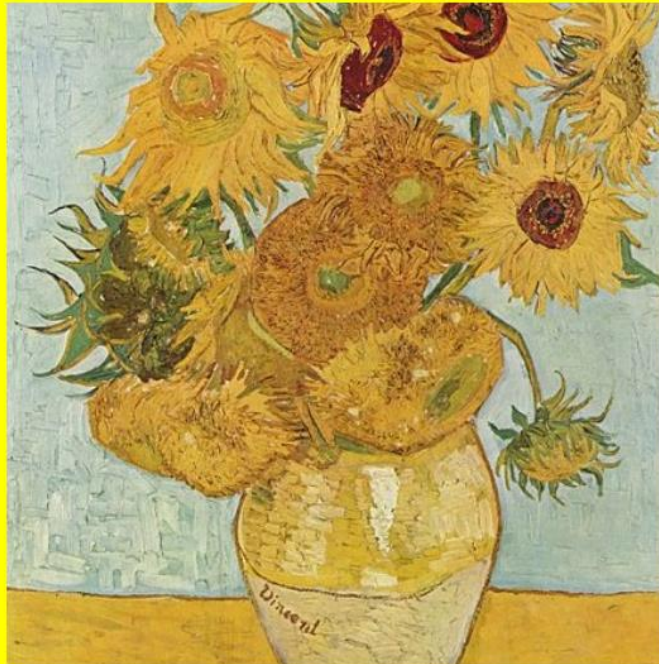


☐ 해바라기

최종 선택

Congratulations

승자는 **해바라기**입니다!!!

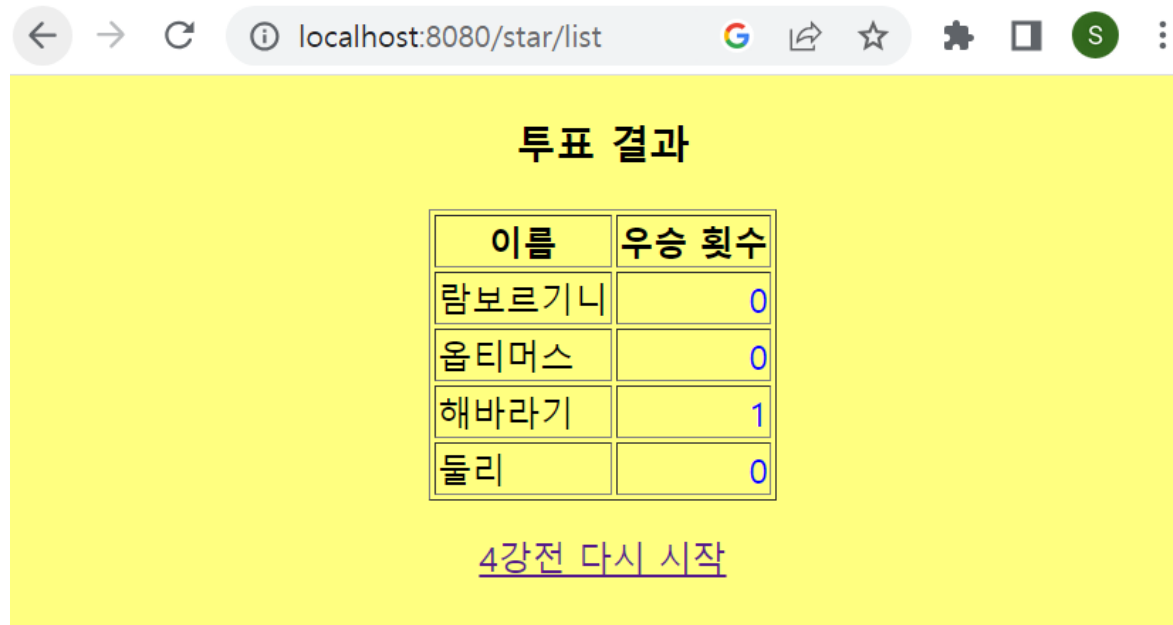


[결과 보기](#)

Quiz #9 Who is your favorite star? 결과 저장

```
create table star(  
  no int not null primary key,  
  name varchar(20) not null,  
  fcount int not null  
);
```

```
insert into star values(1, '람보르기니',0);  
insert into star values(2, '옵티머스',0);  
insert into star values(3, '해바라기',0);  
insert into star values(4, '둘리',0);
```



← → ↻ ⓘ localhost:8080/star/list

투표 결과

이름	우승 횟수
람보르기니	0
옵티머스	0
해바라기	1
둘리	0

[4강전 다시 시작](#)

리파지토리에 추상 메소드 추가

```
public interface starRep extends JpaRepository<star, Integer> {  
    @Transactional  
    @Modifying  
    @Query("update star set fcount=fcount+1 where name=?1")  
    int updateFcount(String name);  
}
```

starWinner 메소드에서 리파지토리 추상 메소드를 호출

```
@GetMapping("/star/winner")  
public String starWinner(String winner, Model mo) {  
    srep.updateFcount(winner);  
    mo.addAttribute("winner", winner);  
    return "starWinner";  
}
```

Quiz #10 Who is your favorite star? 결과 초기화 기능



리파지토리에 추상 메소드 추가

```
@Transactional  
@Modifying  
@Query("update star set fcount=0")  
void starReset();
```

리파지토리 추상 메소드를 호출 후 다시 결과 보여줌

```
@GetMapping("/star/reset")  
public String starReset() {  
    srep.starReset();  
    return "redirect:/star/list";  
}
```