

 免費電子書

學習

spring-data

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#spring-
data

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1: spring-data

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Examples

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Maven

```
<dependencies>
  <dependency>
    <groupId>org.springframework.data</groupId>
    <artifactId>spring-data-commons</artifactId>
    <version>[version-number]</version>
  </dependency>
</dependencies>
```

Gradle

```
dependencies {
  compile 'org.springframework.data:spring-data-commons:[version-number]'
}
```

[Spring Data\[\]](#) ◦

[spring-data](#) <https://riptutorial.com/zh-TW/spring-data/topic/5440/spring-data>

2: Spring

JPAparameter

Examples

JPAparameter

Spring Boot 1.4.4.RELEASEMySQLSpring Data JPAMySQL。 Spring Data JPASpringPagination

/// {id}。 classroomId。

```
@Entity
@Table(name = "student")
public class Student {

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long id;

    @Column(name = "name")
    private String name;

    @NotNull
    @Column(name = "rollnumber", nullable = false)
    private Integer rollnumber;

    @Column(name = "date_of_birth")
    private LocalDate dateOfBirth;

    @Column(name = "address")
    private String address;

    @ManyToOne(optional = false)
    @NotNull
    private Classroom classroom;

    //getter and setter

}
```

```
@Entity
@Table(name = "classroom")
public class Classroom {

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long id;

    @Column(name = "standard")
    private String standard;

    @Column(name = "section")
```

```

private String section;

@Column(name = "year")
private String year;

//getter && setter

}

```

RestController

```

@RestController
@RequestMapping("/api")
public class StudentResource {

private final StudentService studentService;

public StudentResource(StudentService studentService) {
    this.studentService = studentService;
}

@GetMapping("/students/classroom/{id}")
public ResponseEntity<Page<StudentDTO>> getAllStudentsBasedOnClassroom(@ApiParam Pageable
pageable,@PathVariable Long id)
throws URISyntaxException {
    Page<StudentDTO> page = studentService.findByClassroomId(id, pageable);
    HttpHeaders headers = PaginationUtil.generatePaginationHttpHeaders(page,
"/api/students/classroom");
    return new ResponseEntity<Page<StudentDTO>>(page, headers, HttpStatus.OK);
}

}

```

RequestParams。 / students / classroom / 1page = 0size = 3SpringPageable。 PageableService
Repository。

```

public interface StudentService {

    Page<StudentDTO> findByClassroomId(Long id,Pageable pageable);

}

```

service implStudentMappermapStructClassDTOby

```

@Service
@Transactional
public class StudentServiceImpl implements StudentService{

private final StudentRepository studentRepository;

private final StudentMapper studentMapper;

public StudentServiceImpl(StudentRepository studentRepository, StudentMapper
studentMapper) {
    this.studentRepository = studentRepository;
    this.studentMapper = studentMapper;
}

}

```

```
@Override
    public Page<StudentDTO> findByClassroomId(Long id, Pageable pageable) {
        log.debug("Request to get Students based on classroom : {}", id);
        Page<Student> result = studentRepository.findByClassroomId(id, pageable);
        return result.map(student -> studentMapper.studentToStudentDTO(student));
    }
}
```

```
@Mapper(componentModel = "spring", uses = {})
public interface StudentMapper{

    StudentDTO    studentToStudentDTO(Student student);
}
```

StudentRepositoryworte

```
public interface StudentRepository extends JpaRepository<Student,Long> {

    Page<Student> findByClassroomId(Long id, Pageable pageable);
}
```

```
"last": false,
  "totalElements": 20,
  "totalPages": 7,
  "size": 3,
  "number": 0,
  "sort": null,
  "first": true,
  "numberOfElements": 3
```

Spring <https://riptutorial.com/zh-TW/spring-data/topic/9142/spring>

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