

=====Spring-Boot/Microservices/Cloud=====

Exercise-1

- 1.1. Create The Model class for Customer (firstName,lastName,Salary)
- 1.2. Create the restful webservice for CRUD operations (Use JPA/CrudRepository refer the EmployeeCRUDService)
- 1.3. Test this service using postman.
- 1.4. Enable basic security for this service
- 1.5. Create the following tables.

```
CREATE TABLE `employee` (  
    `id` INT(11) UNSIGNED NOT NULL,  
    `firstName` VARCHAR(20) NOT NULL,  
    `lastName` VARCHAR(20) NOT NULL,  
    `deptname` VARCHAR(10) NOT NULL,  
    `email` VARCHAR(30) NOT NULL,  
    PRIMARY KEY (`id`)  
)  
COLLATE='utf8_general_ci'  
ENGINE=InnoDB;  
  
CREATE TABLE `project` (  
    `id` INT(11) UNSIGNED NOT NULL,  
    `projectname` VARCHAR(20) NULL DEFAULT NULL,  
    `teamsize` INT(3) NULL DEFAULT NULL,  
    `days` (3) NULL DEFAULT NULL,  
    PRIMARY KEY (`id`)  
)  
COLLATE='utf8_general_ci'  
ENGINE=InnoDB;
```

- 1.6. Create the DAO/Interfaces/classes to perform CRUD operations on Customer/Address

- 1.7. Use transactions API <tx:advice>/<aop:config> for CRUD operations

Exercise-2

- 2.1. Create a GreetingService that display a message.
- 2.2. Enable Cloud config support to manage this message externally.

Exercise-3

Exercisess-tryouts.txt

- 3.1. Create the Address(name,street,city,country) Model class
 - 3.2. Create the restful webservice for CRUD operations (USE JPA/CrudRepository)
 - 3.3. Enable the Eureka,Zuul,Zipkin support for the above service.
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