# Java Full Stack Development

## **Skilling-9**

ID NO: 190030677

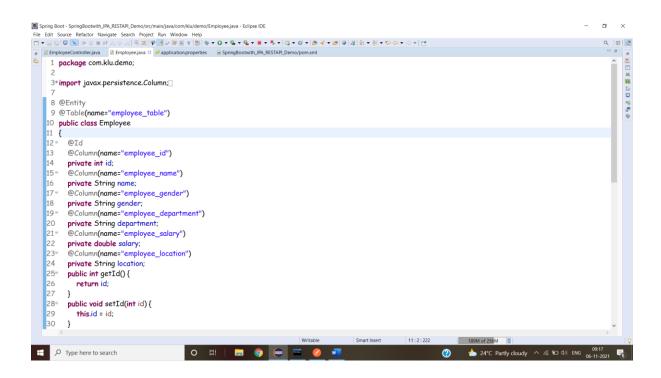
#### Name: K. Sravani

### **Spring Boot with JPA Rest API**

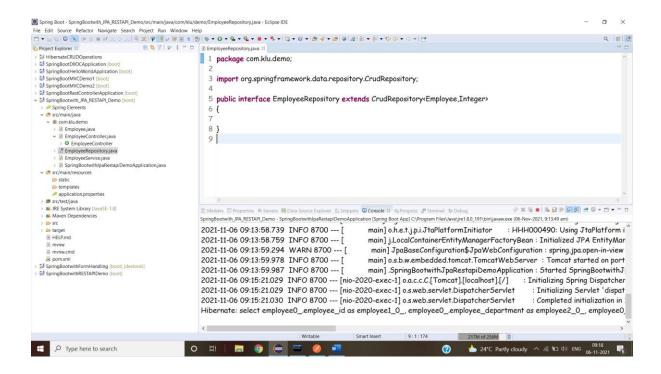
#### Pom.xml

```
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# D EmployeeController.java D Employee.ja
22 <artifactId>sprii
              <artifactId>spring-boot-starter-data-jpa</artifactId>
            </dependency>
           <dependency>
   25
             <groupId>org.springframework.boot</groupId>
               <artifactId>spring-boot-starter-web</artifactId>
   26
           </dependency>
   28°
            <dependency>
            <groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-web-services</artifactId>
   29
   30
   31
           </dependency>
   32
   33
           <dependency>
   34
             <groupId>mysql</groupId>
             <artifactId>mysql-connector-java</artifactId>
<scope>runtime</scope>
   35
   36
   37
           </dependency>
          <dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-test</artifactId>
   38€
   39
   40
   41
              <scope>test</scope>
           </dependency>
   42
   43
   440
           <dependency>
   45 <groupId>mysql</groupId>
          <artifactId>mysql-connector-java</artifactId>
   47
         <version>8.0.21
   Overview Dependencies Dependency Hierarchy Effective POM pom.xml
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# Employee.java



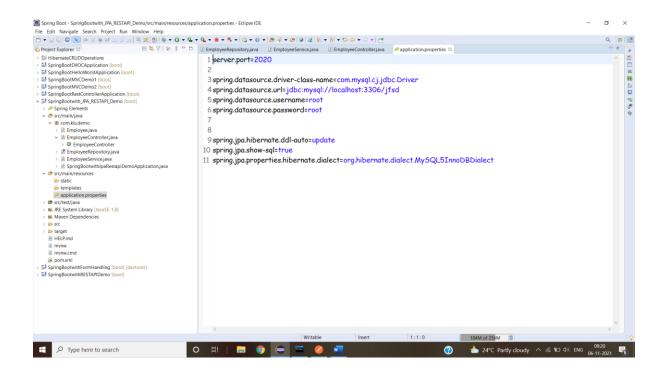
### EmployeeRespository.java



# EmployeeService.java

```
Spring Boot - SpringBootwith_JPA_RESTAPL_Demo/src/main/java/com/klu/demo/EmployeeService.java - Eclipse IDE
                                                                                                                                         0
    9 @Service
   10 public class EmployeeService
   11 {
        @Autowired
        EmployeeRepository emprepository;
        public List<Employee> getallemployeerecords()
          return (List<Employee>) emprepository.findAll();
   18
        public Employee getemployeerecordsbyid(int empid)
   20
   21
          return emprepository.findById(empid).get();
        public String insertemployee(Employee emp)
          emprepository.save(emp);
          return "Employee Record added Successfully";
        public String updateemprecord(Employee emp)
   30
          emprepository.save(emp);
   31
          return "Employee Record Updated Successfully";
   33
        public String deleteemprecordbyid(int empid)
          emprepository.deleteById(empid);
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                                                                                                   ②
```

### **Application.properties:**



### EmployeeController.java

```
Spring Boot - SpringBootwith_JPA_RESTAPI_Demo/src/main/java/com/klu/demo/EmployeeController.java - Eclipse IDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
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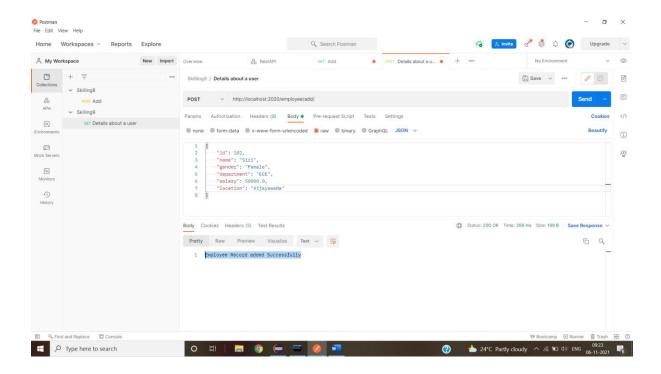
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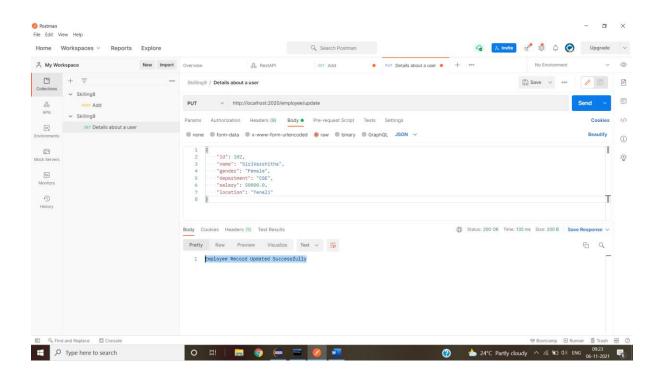
| EmployeeRepository.java | EmployeeControlle | 3* import java.util.List; | |
                   15 public class EmployeeController
16 {
17® @Autowired
                                      @GetMapping("/employee/getall")
public List<Employee> getallemprecords()
{
                                                return empservice.getallemployeerecords():
                                       GetMapping("employee/getbyid/(empid)")
public Employee getemprecordbyid(@PathVariable("empid") int empid)
{
                                                  return empservice.getemployeerecordsbyid(empid);
                                      PostMapping("/employee/add/")
public String addemprecord(@RequestBody Employee emp) {
                                                  return empservice.insertemployee(emp);
                                      ## @PutMapping("/employee/update")

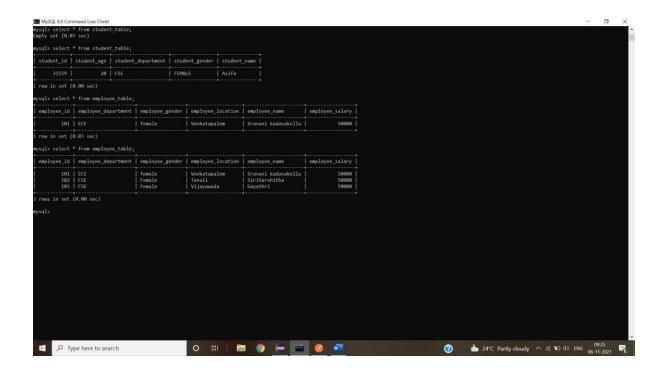
public String updateemprecord(@RequestBody Employee emp)
                   35°
36
37
38
39
40°
41
42
43
                                    return empservice.deleteemprecordbyid(empid);
                   44
45 }
```

#### Add:

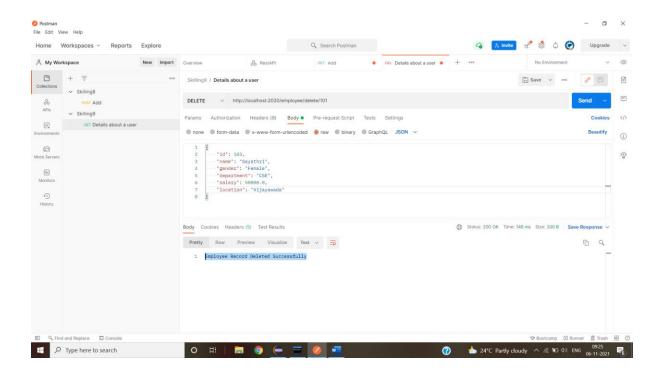


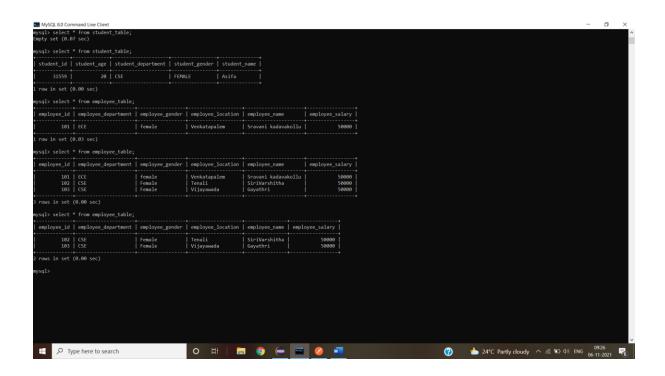
#### **Update:**



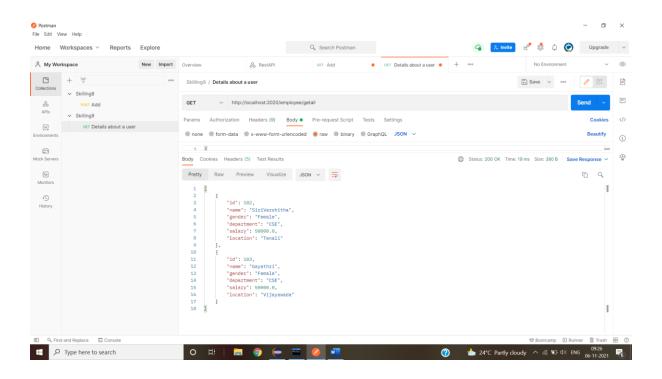


#### **Deletebyid:**





#### **Getall:**



# **Getbyid:**

