**Assignment**

**Restful Web Services, Part-1**

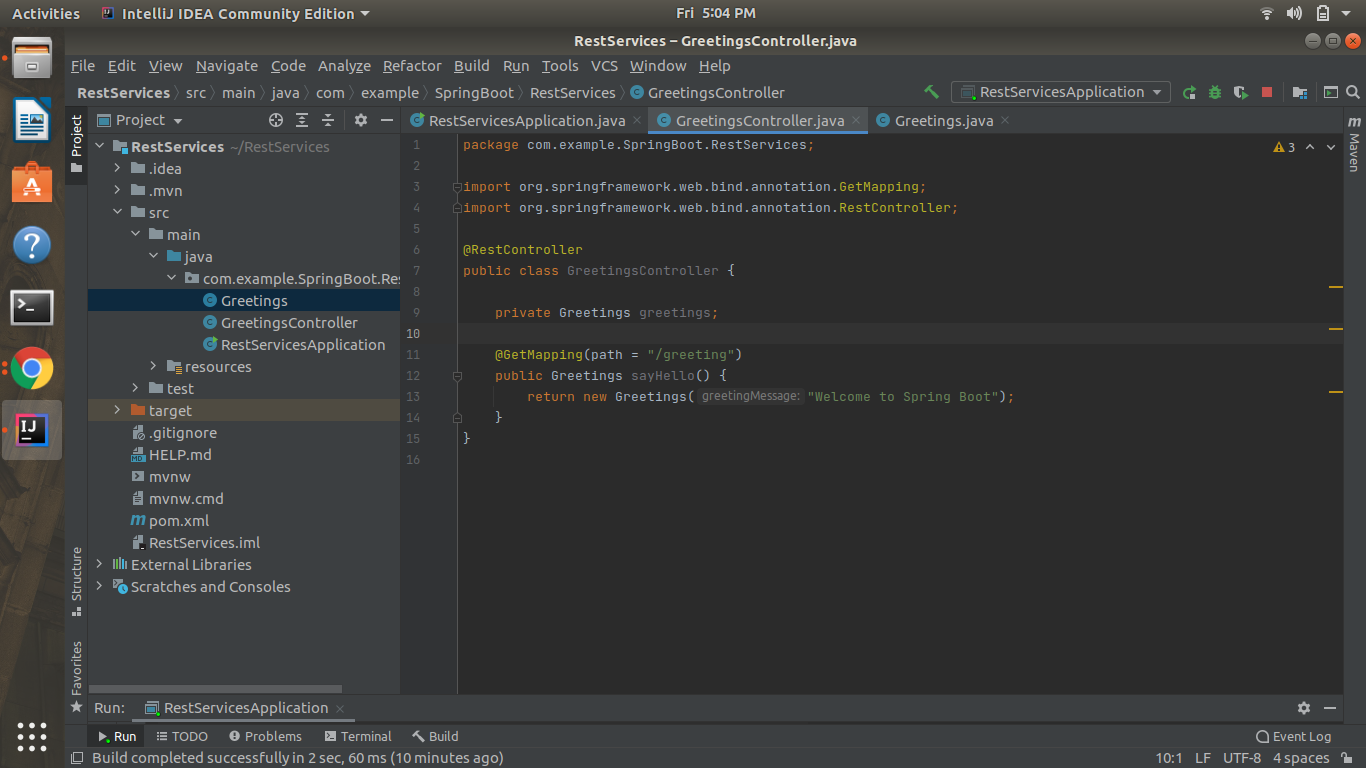
Date-5/03/21

**NOTE**-For URI-> /Employee, please consider /employee in the code, necessary changes has been made in the project.

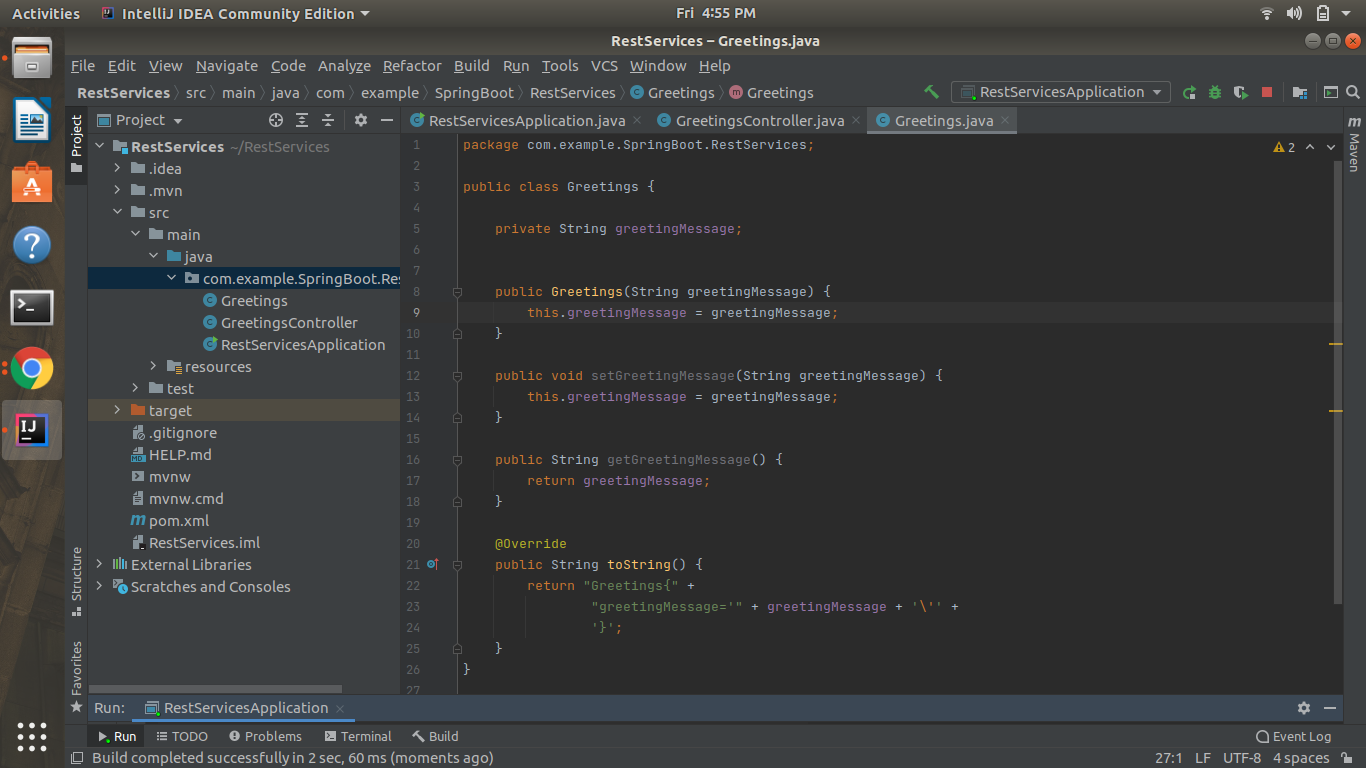
Q1)Create a simple RESTful service in Spring Boot which returns the Response "Welcome to spring boot".

Answer

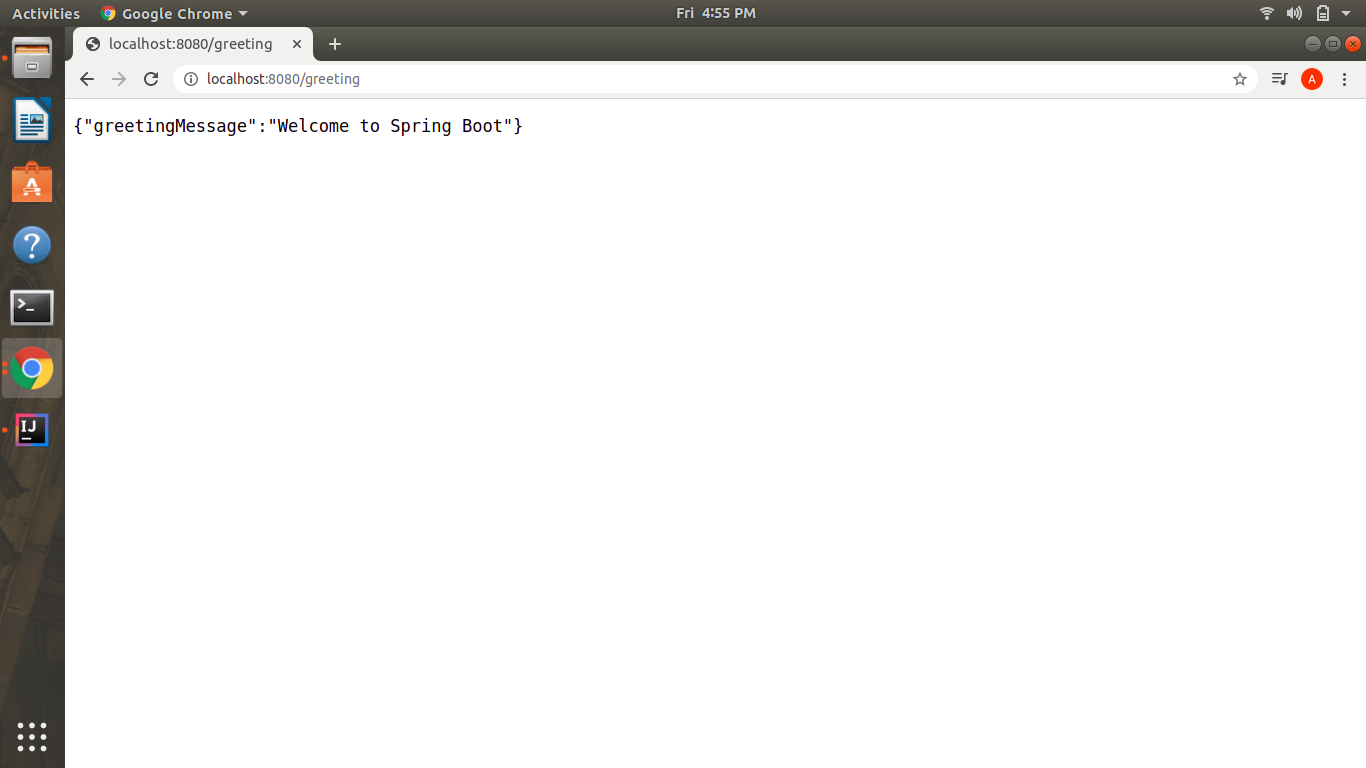
GreetingsController.java



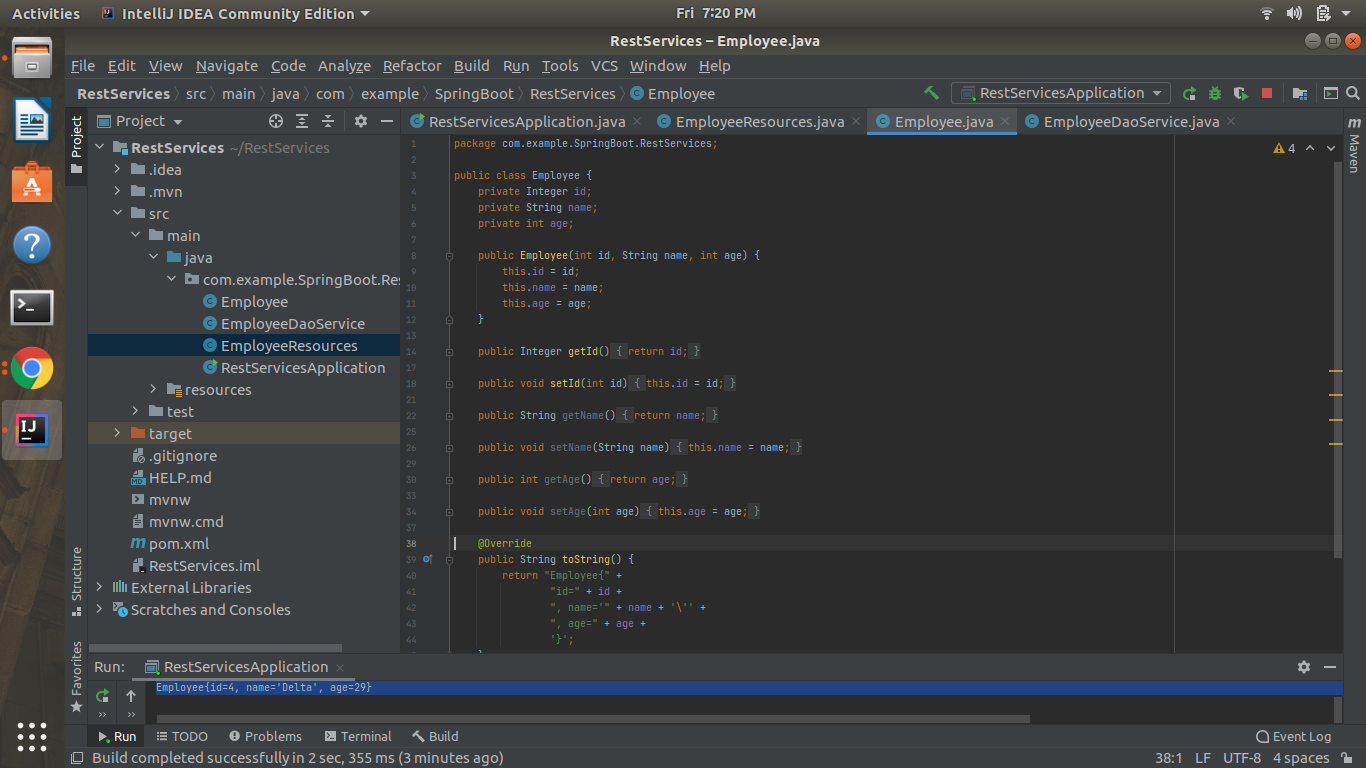
Greetings.java



Output(localhost:8080/greeting)



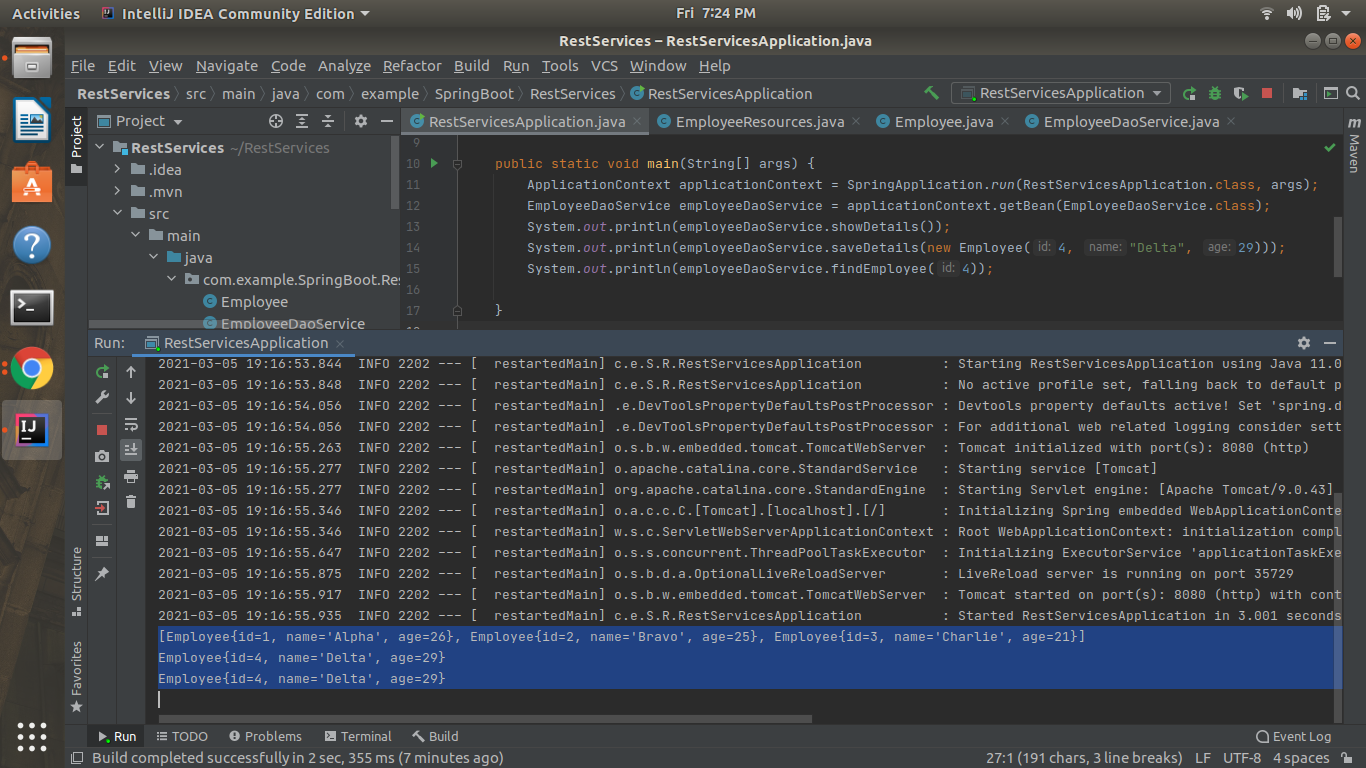
Q2)Create an Employee Bean(id, name, age) and service to perform different operations related to the employee.

Answer-Employee.java

EmployeeDaoService.java

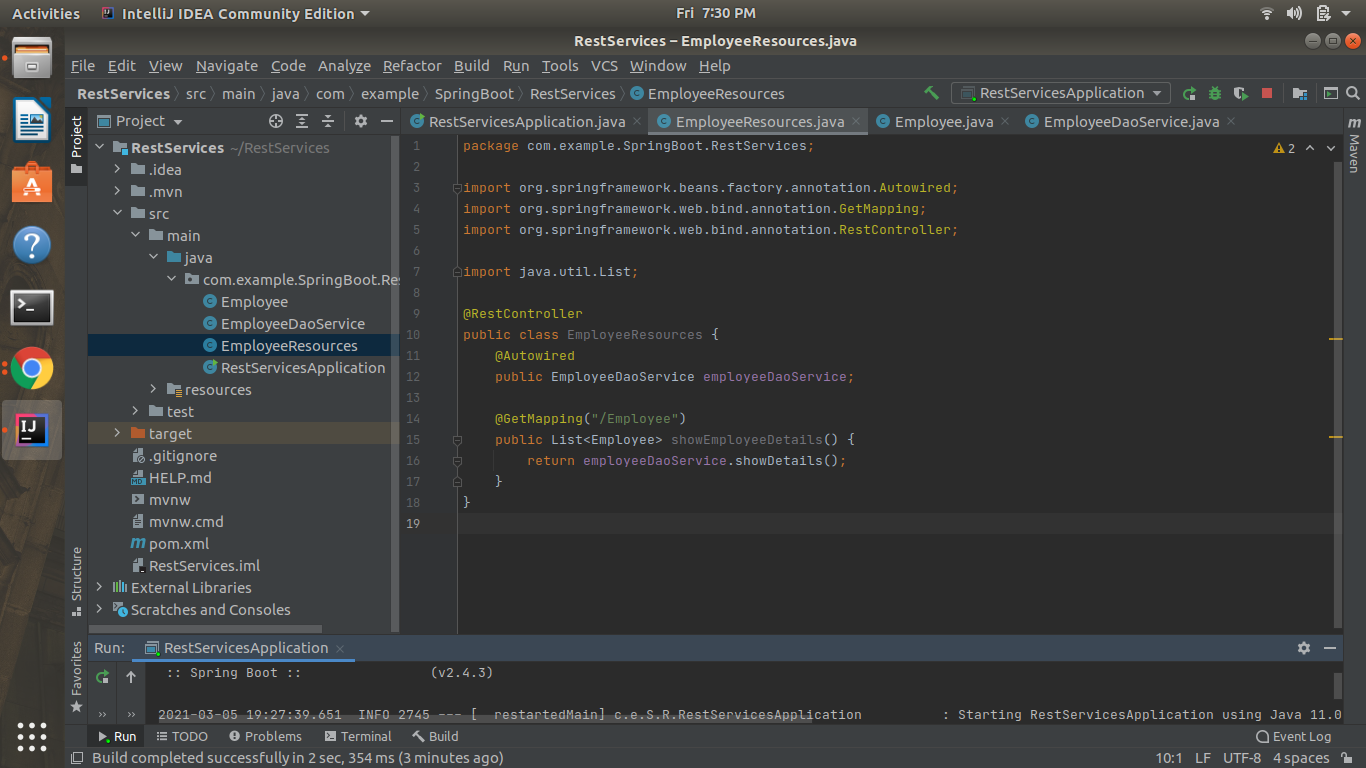


Main class(Output in console)

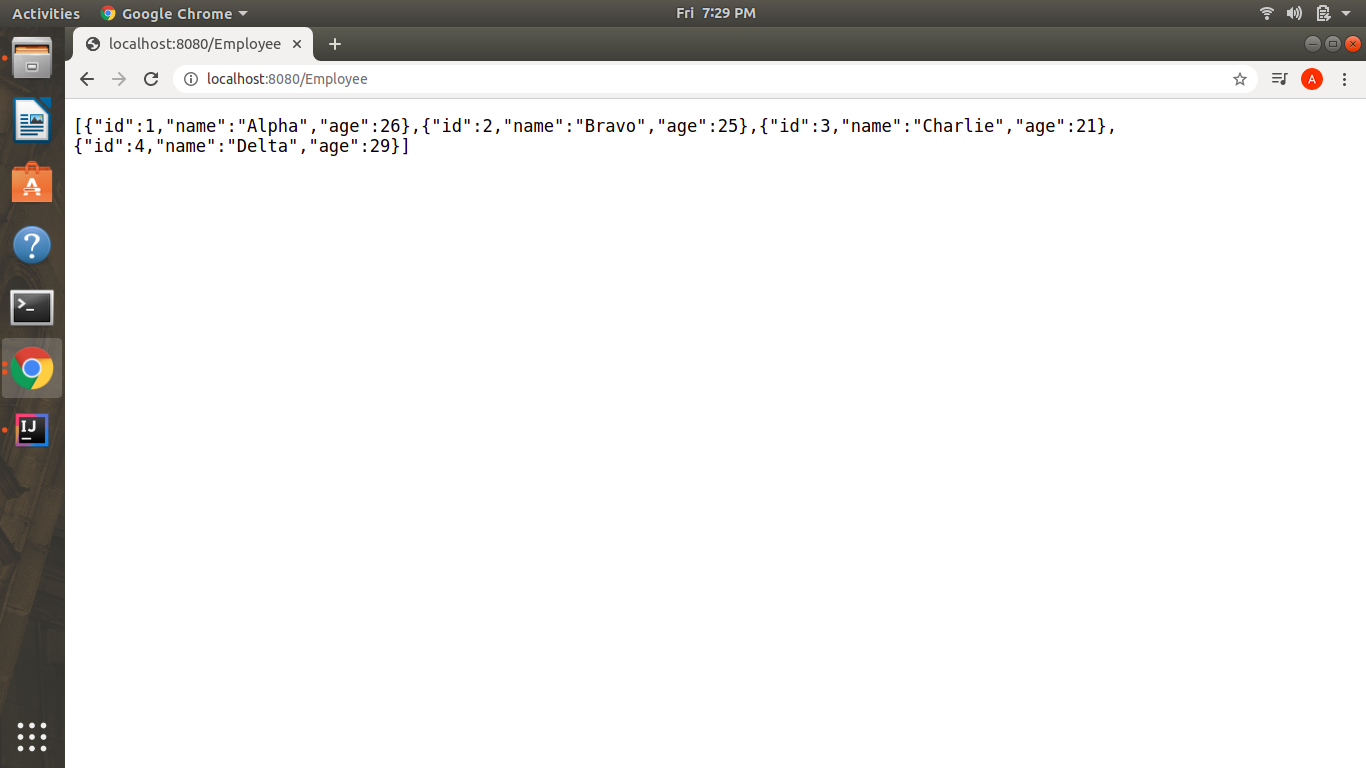


Q3)Implement a GET http request for Employee to get a list of employees.

EmployeeResources.java



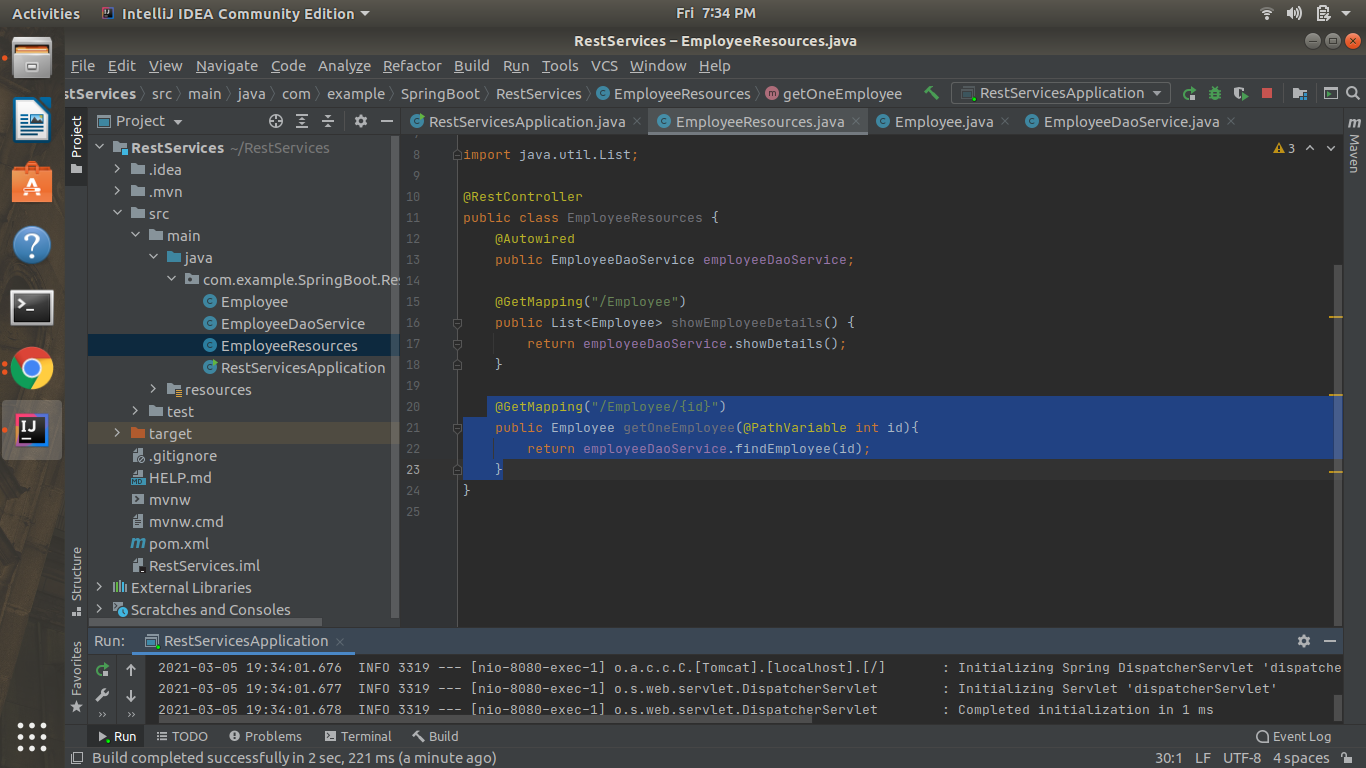
Output(localhost:8080/employee)



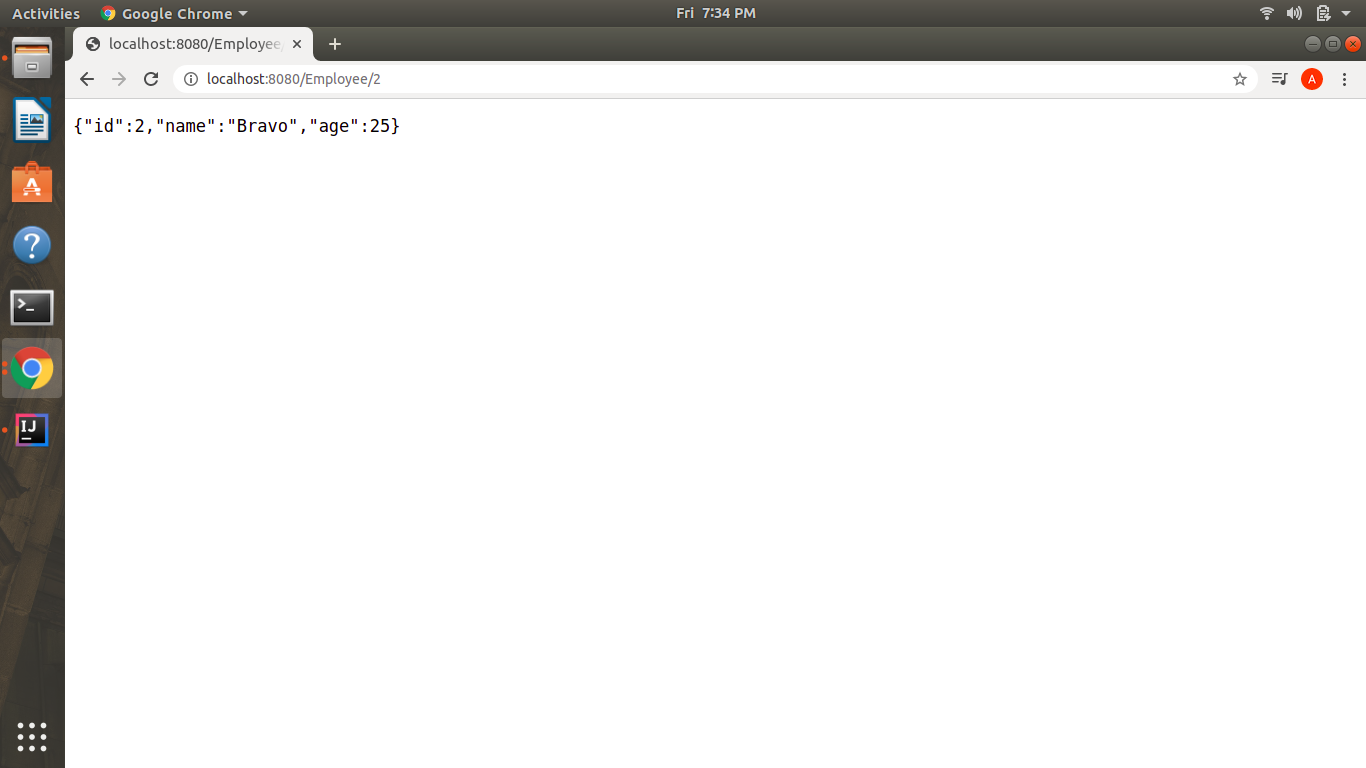
Q4)Implement GET http request using path variable top get one employee

EmployeeResources.java

**@GetMapping(“/employee/{id}”)**

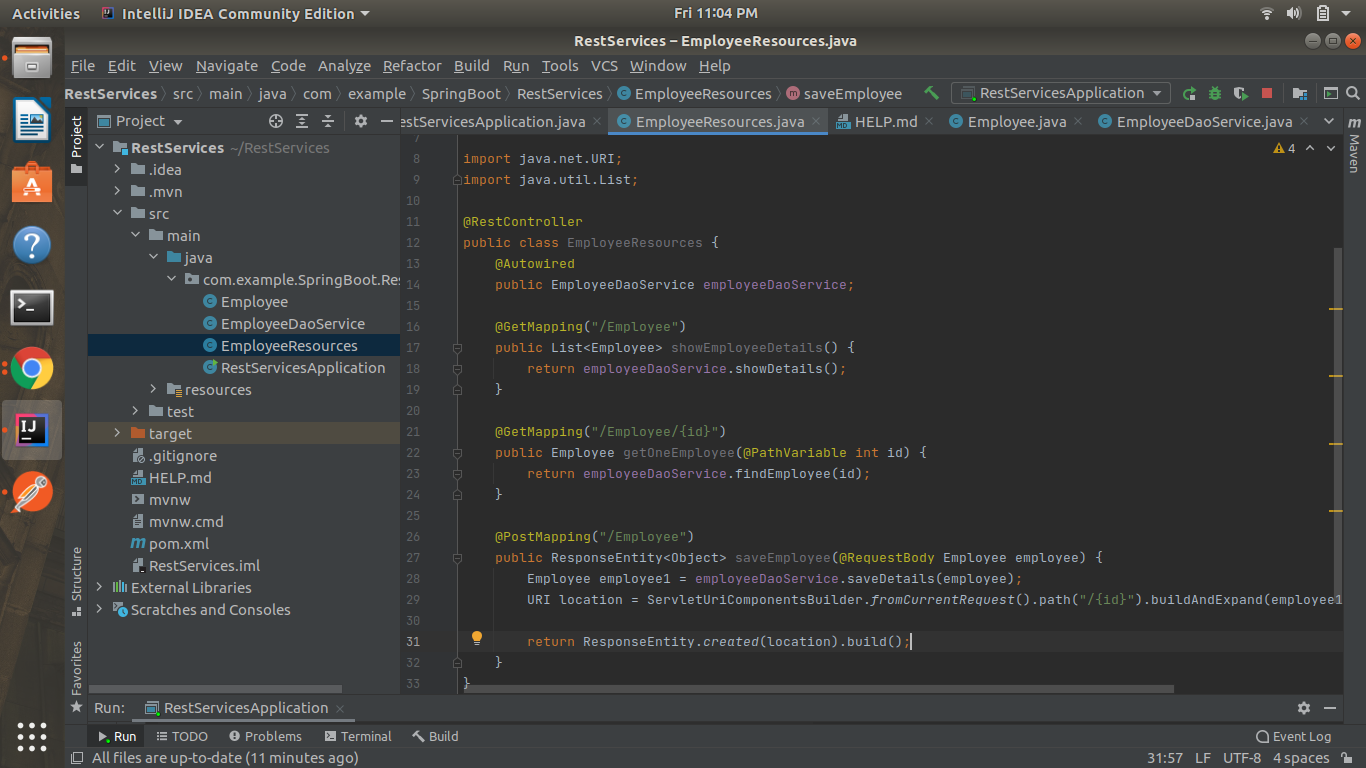


Output(localhost:8080/employee/2)

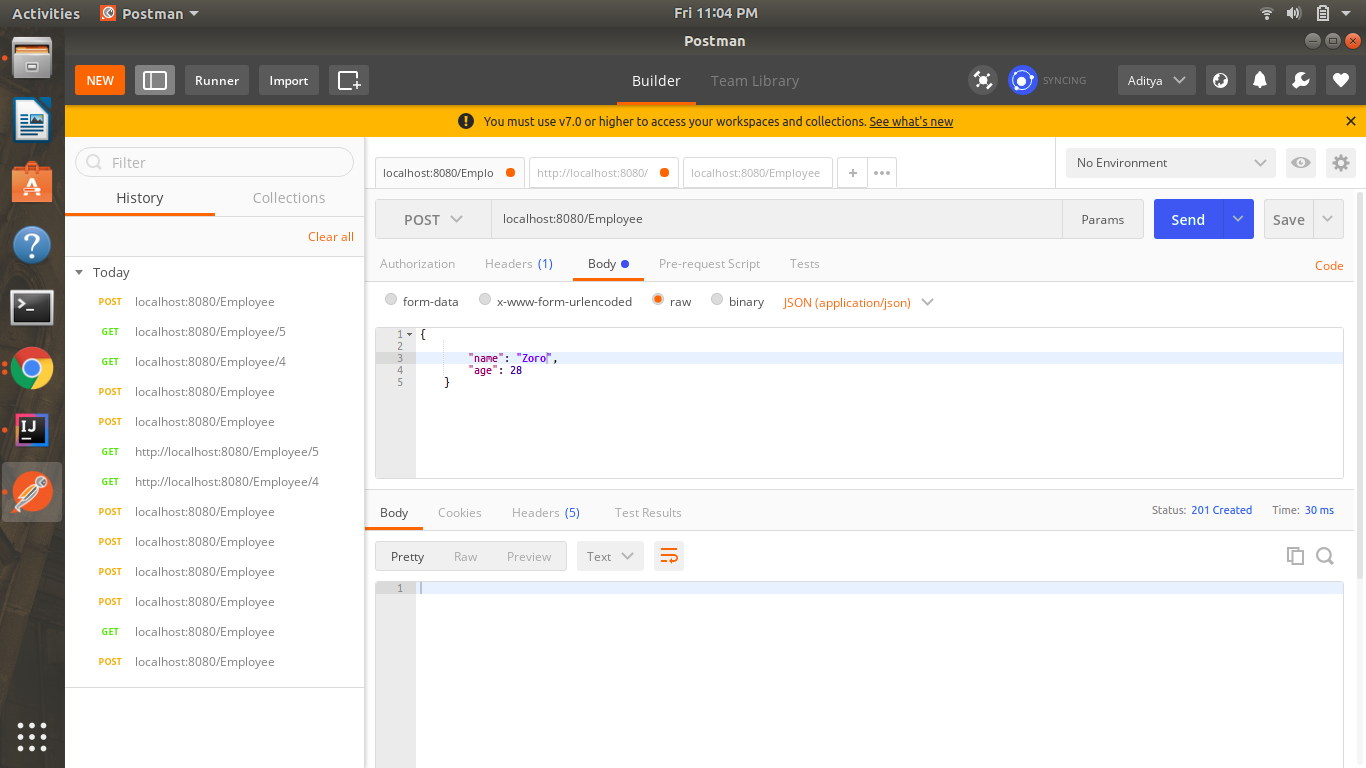


Q5)Implement POST http request for Employee to create a new employee.

**@PostMapping(“/employee”)**

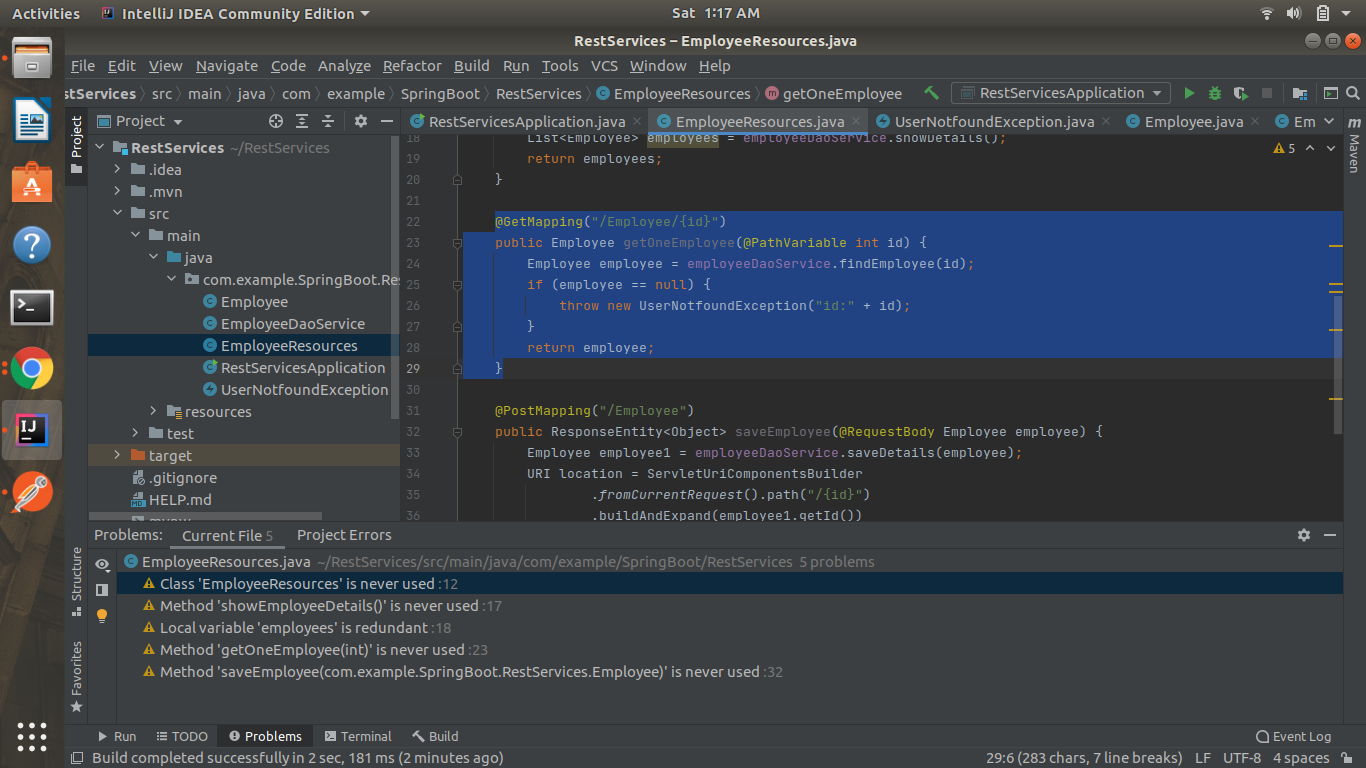


POST\_localhost:8080/employee



Q6)Implement Exception Handling for resource not found

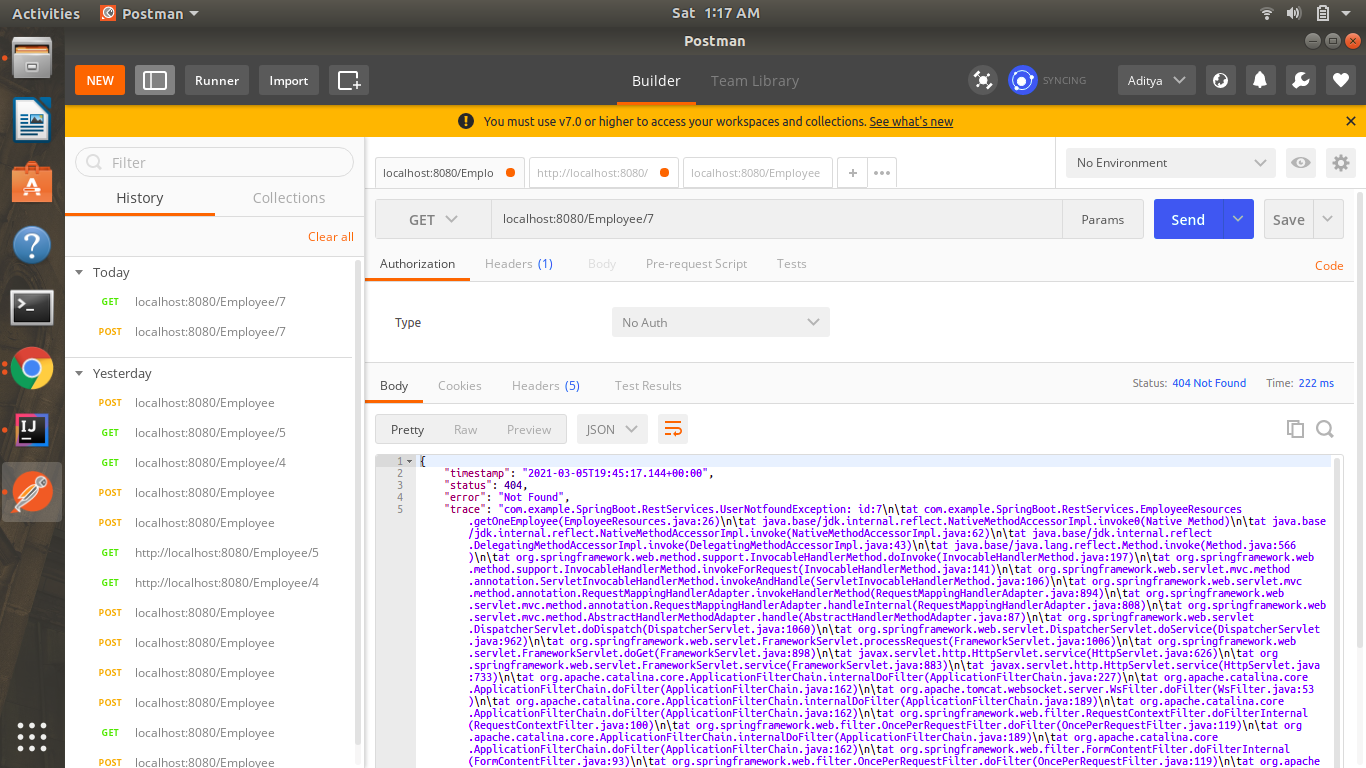
**@GetMapping(“/employee/{id}”)**





output

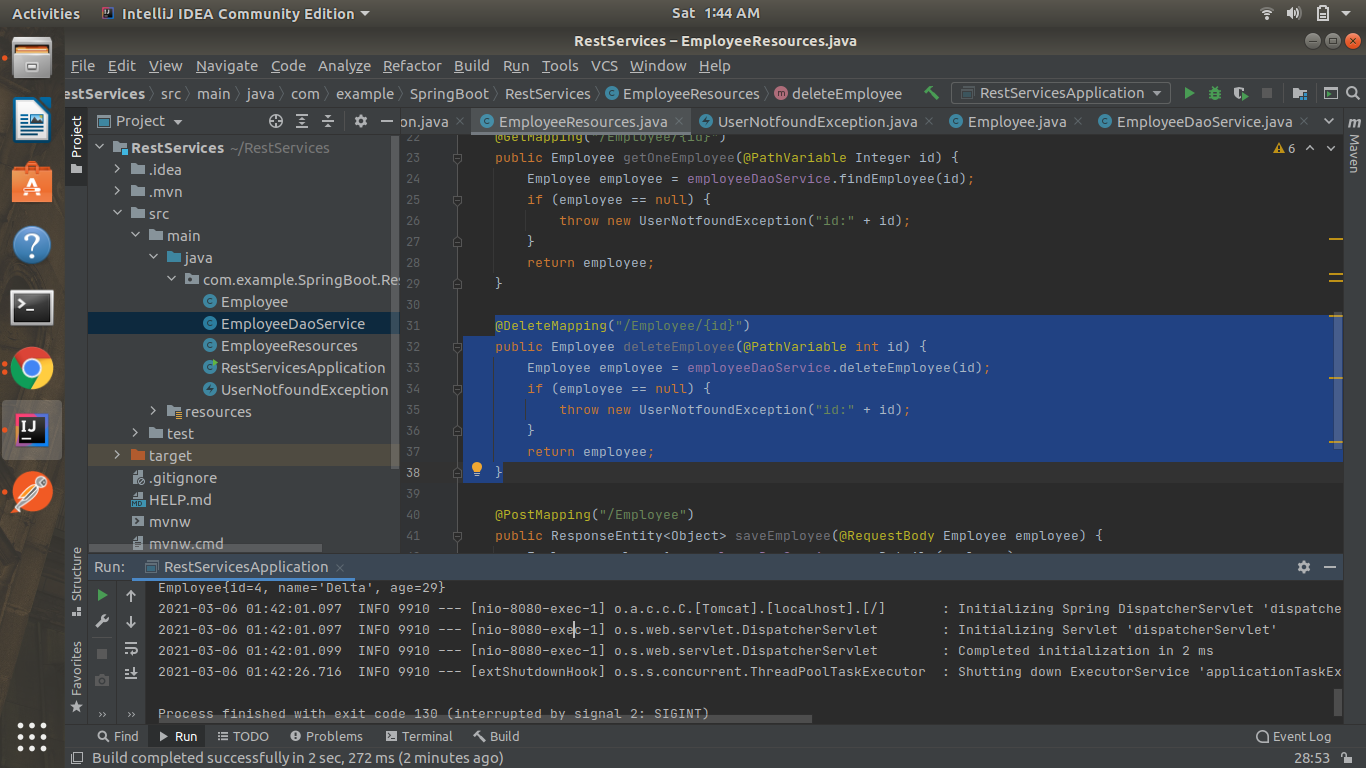
GET-localhost:8080/empoyee/7



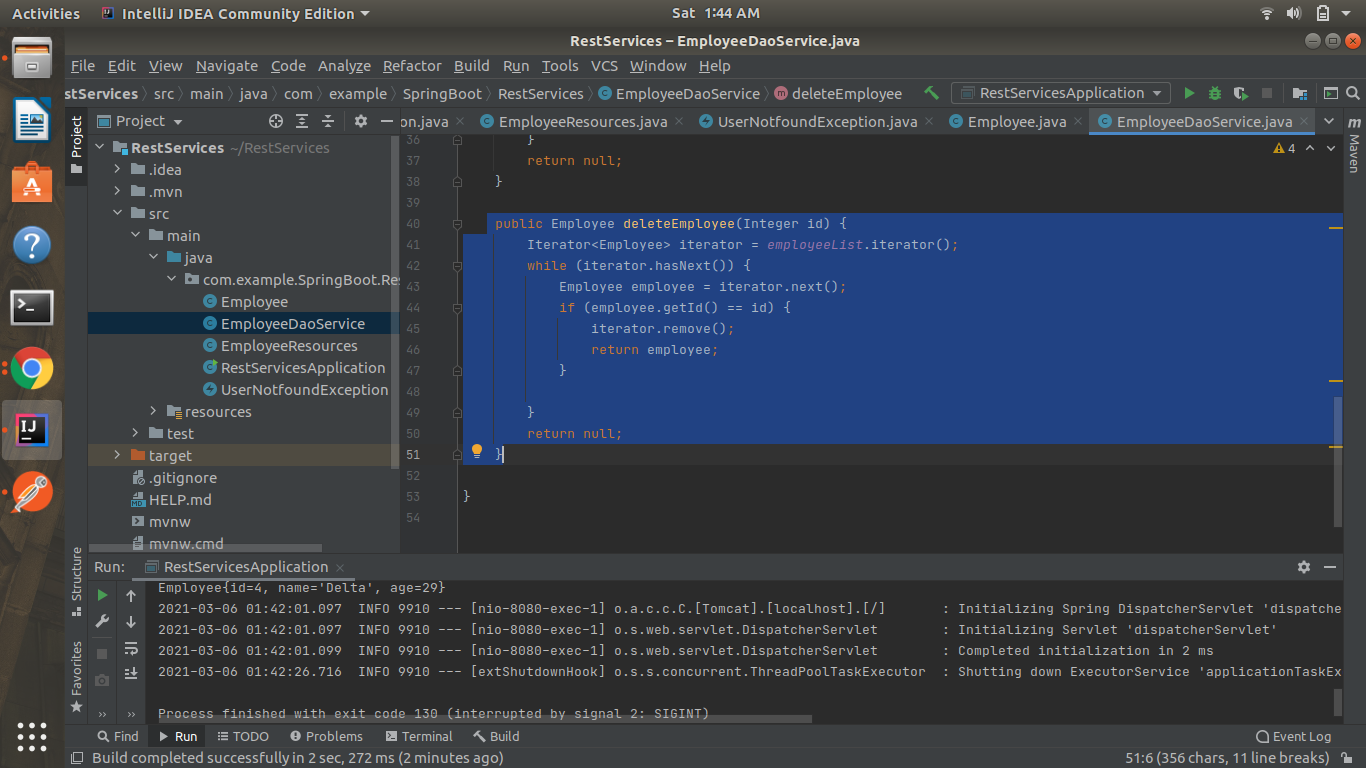
Q7)Implement DELETE http request for Employee to delete employee

EmployeeResources.java

**@DeleteMapping(“/employee/{id}”)**

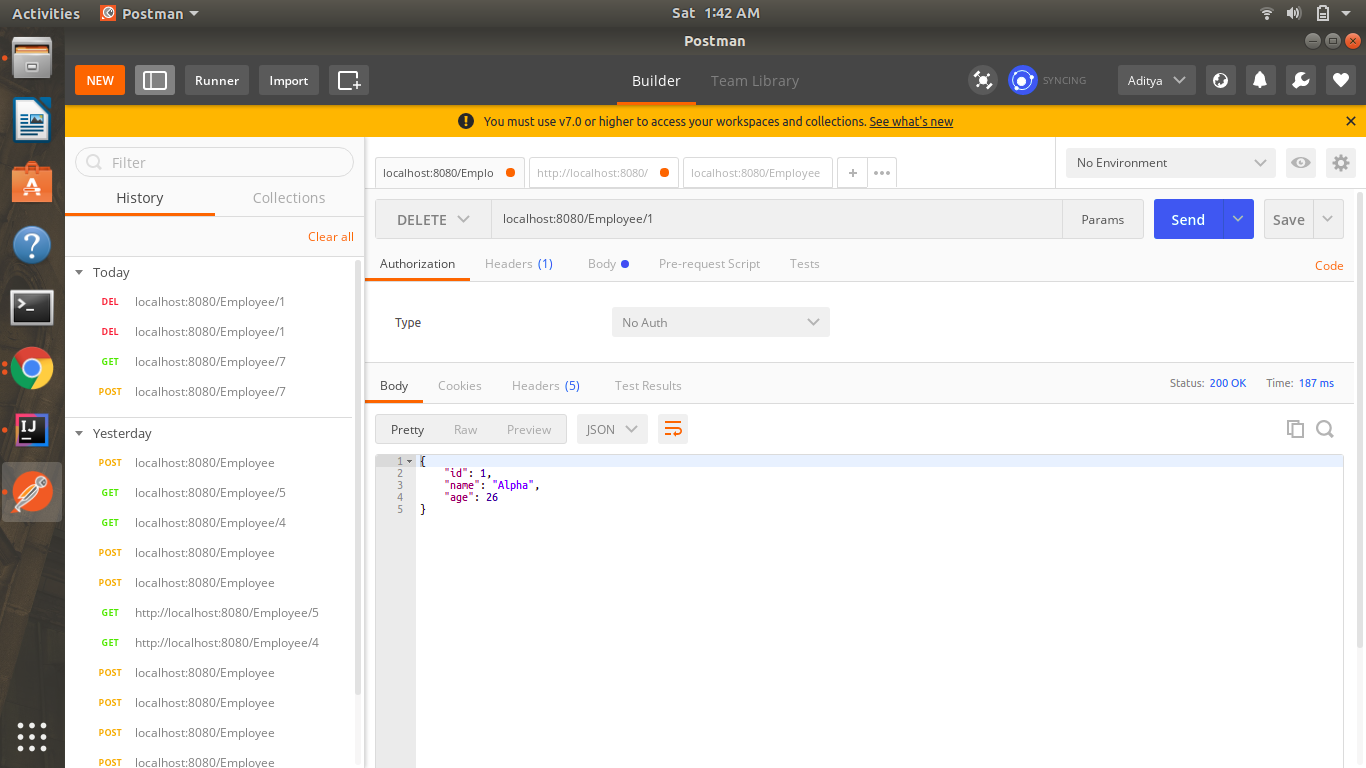


EmployeeDaoService.java



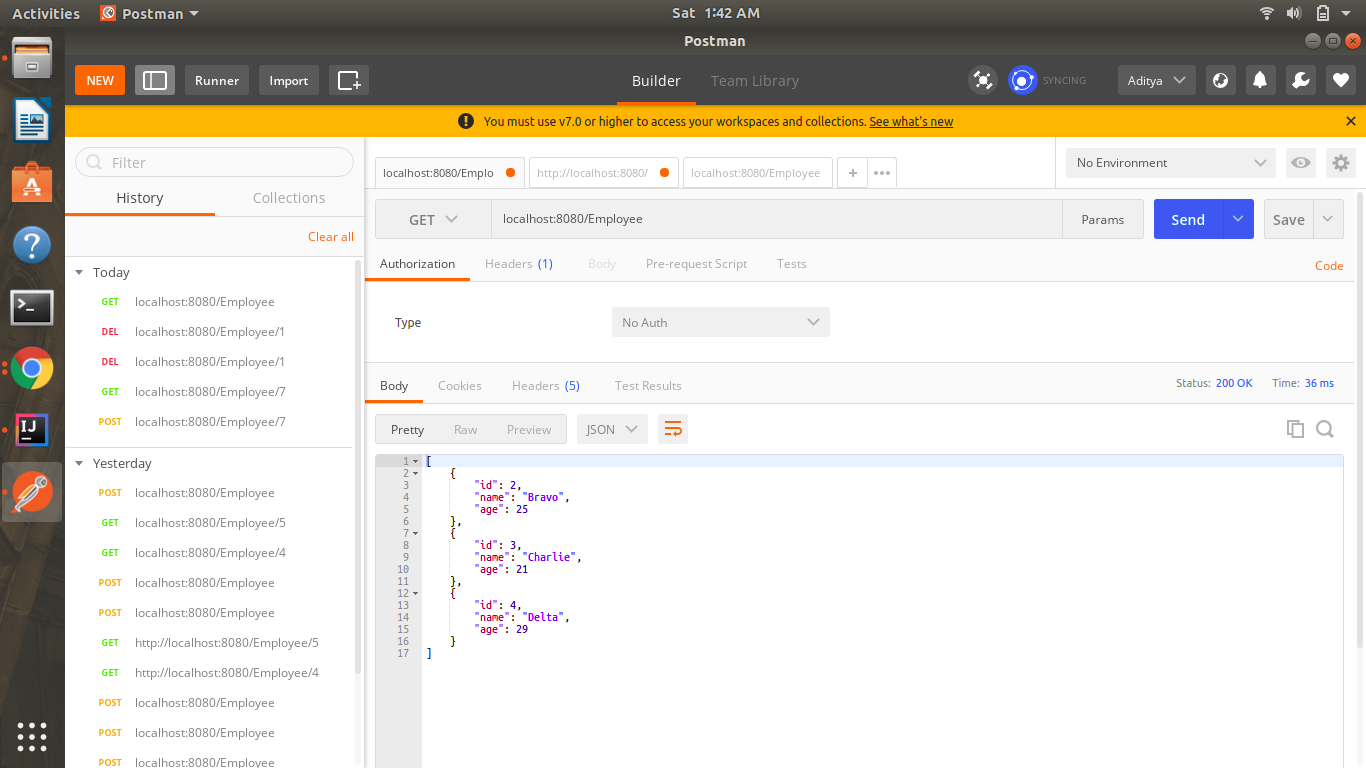
Output of Delete Request

DELETE-localhost:8080/employee/1



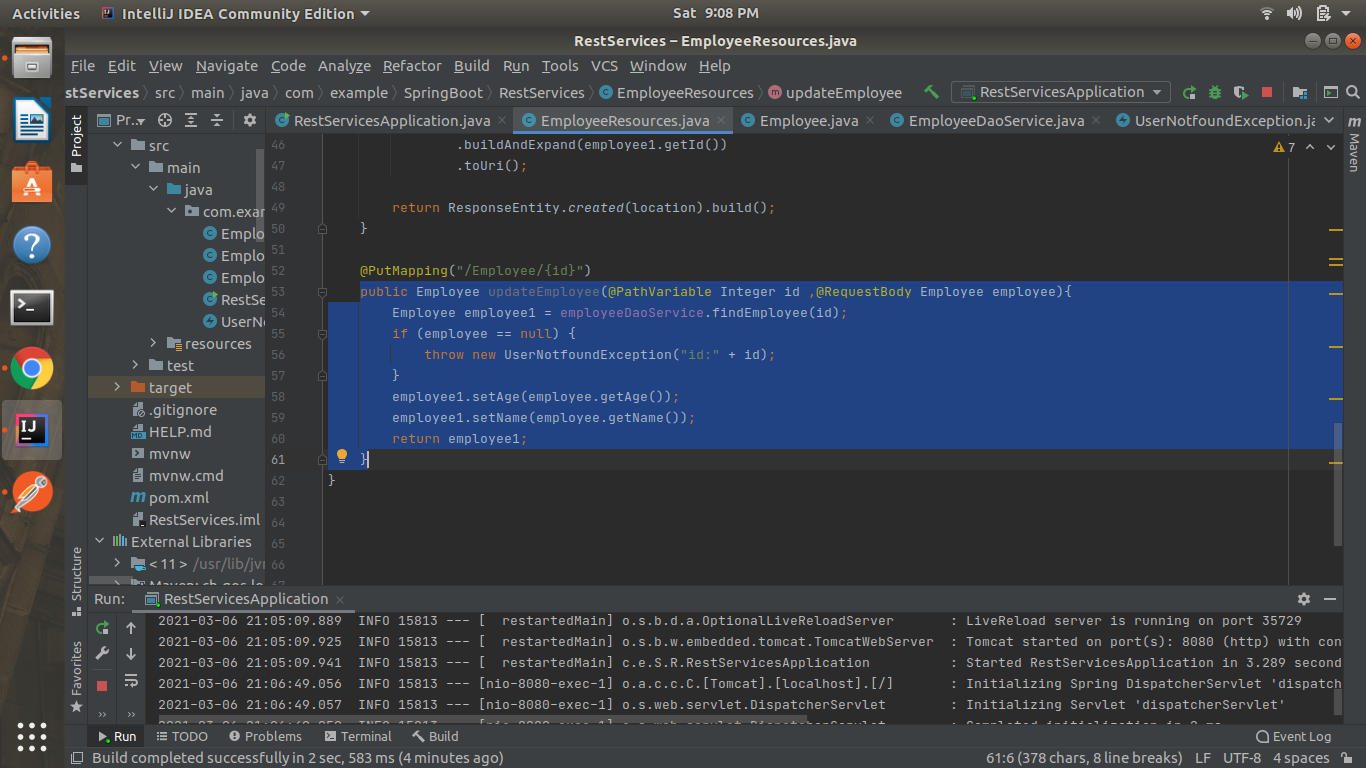
Getting Users’ Details after deleting user with id=1

GET-localhost:8080/employee/1



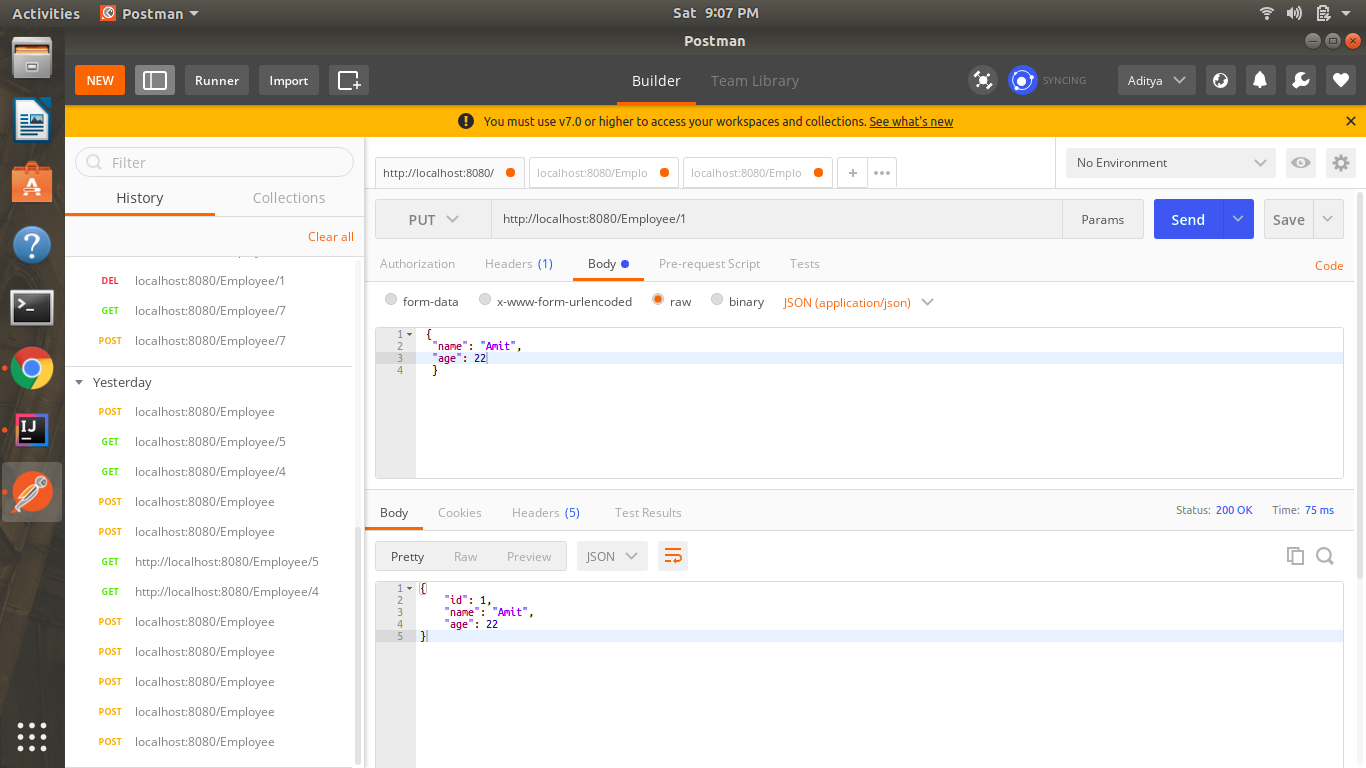
Q8)Implement PUT http request for Employee to update employee.

**@PutMapping(“/employee/{id}”)**



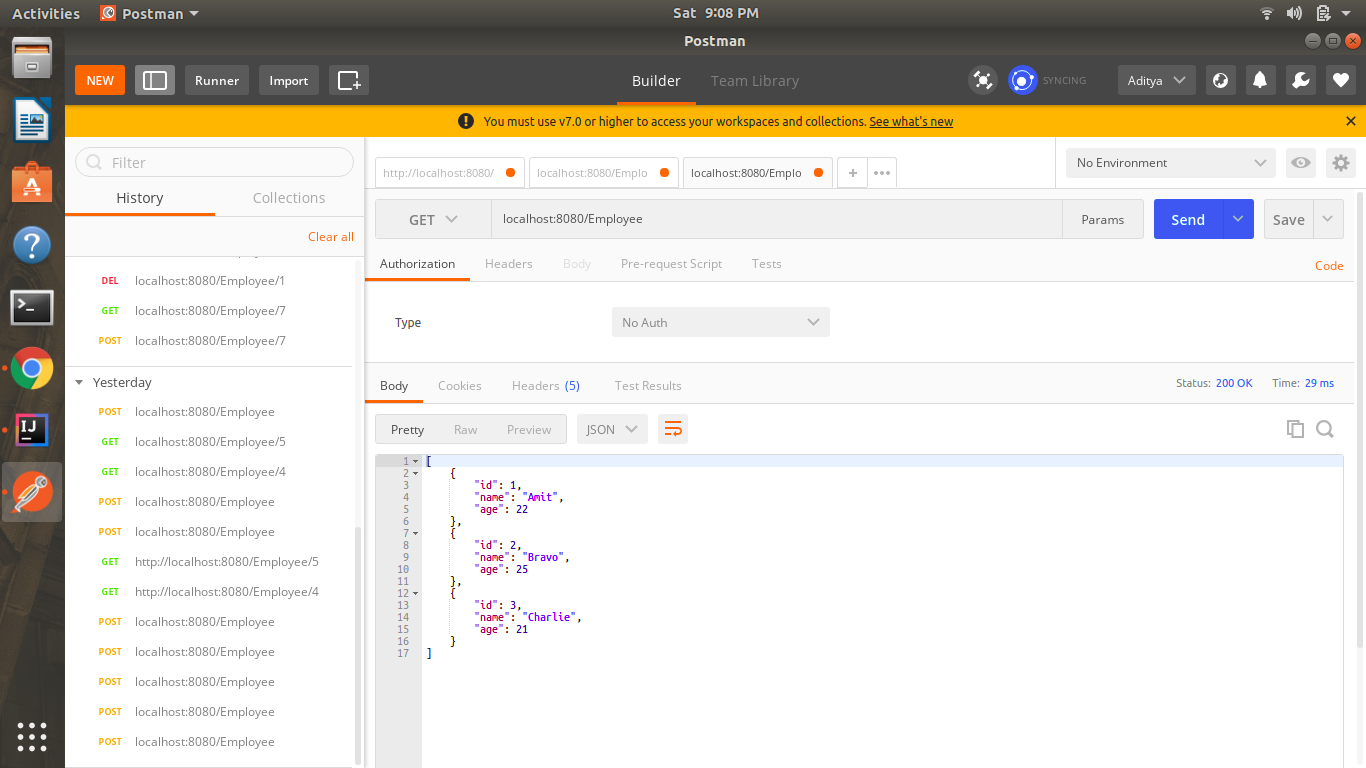
Sending a put request to update a user with id=1

PUT-localhost:8080/employee/1



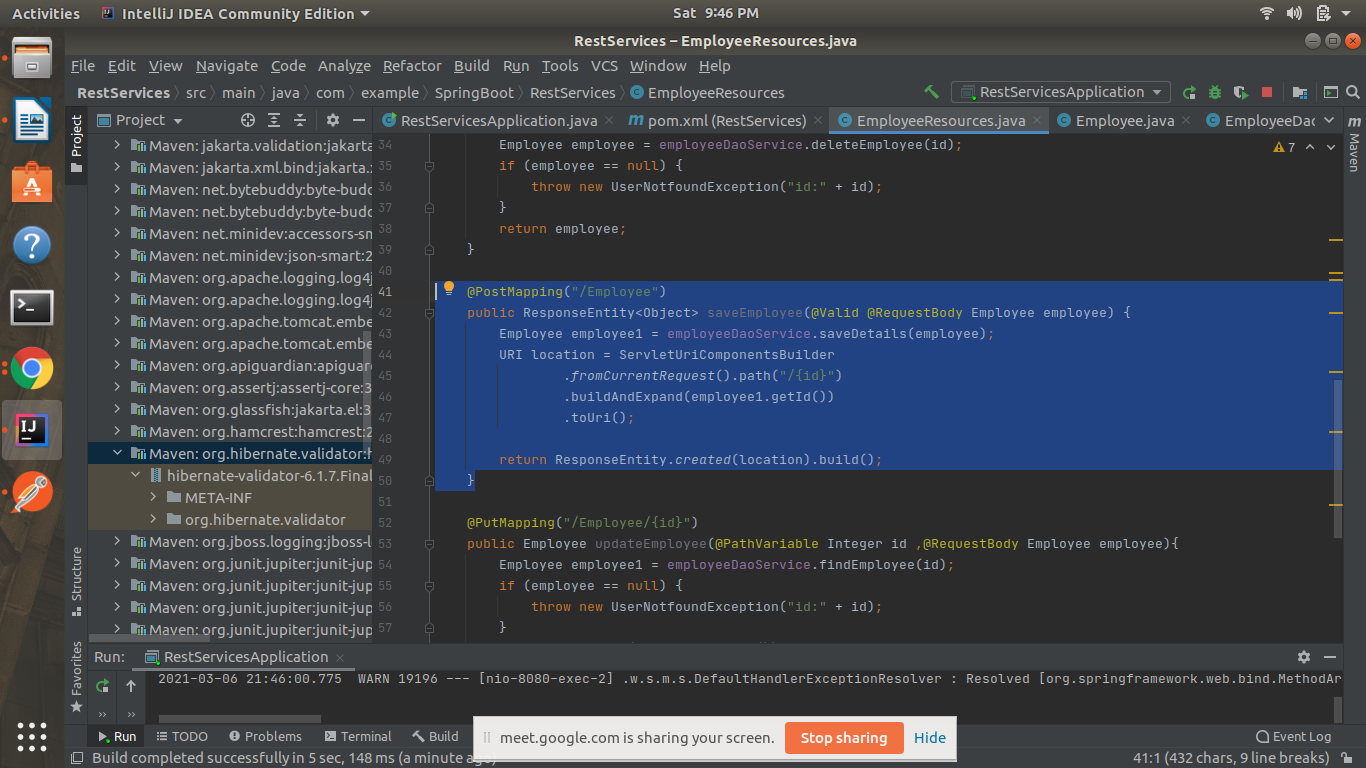
Checking the updated value

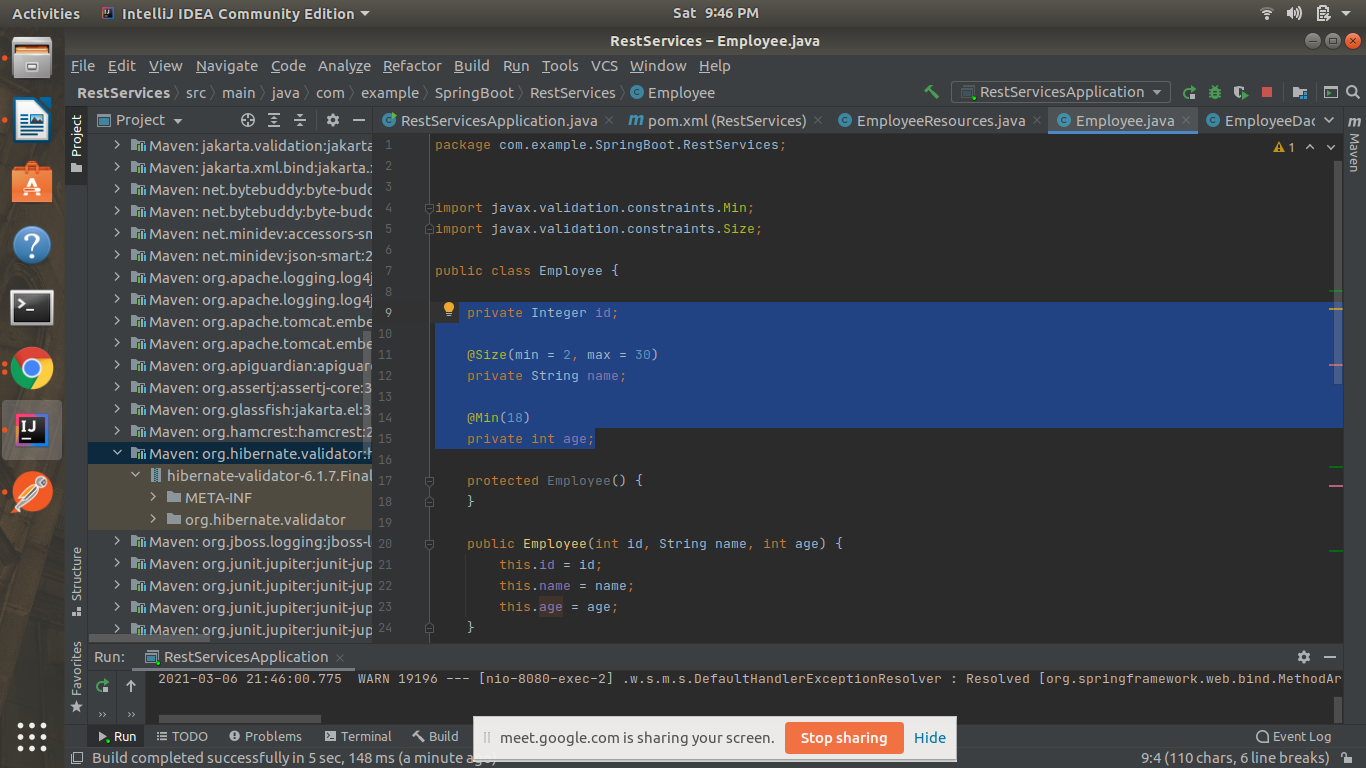
GET-localhost:8080/employee



Q9)Apply validation while creating a new employee using POST http Request.

**@PostMapping(“/employee”)**





POST-localhost:8080/employee



Q10)Configure actuator in your project to check the health of application and get the information about various beans configured in your application

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-actuator</artifactId>

</dependency>

http://localhost:8080/actuator/beans

