**Assignment**

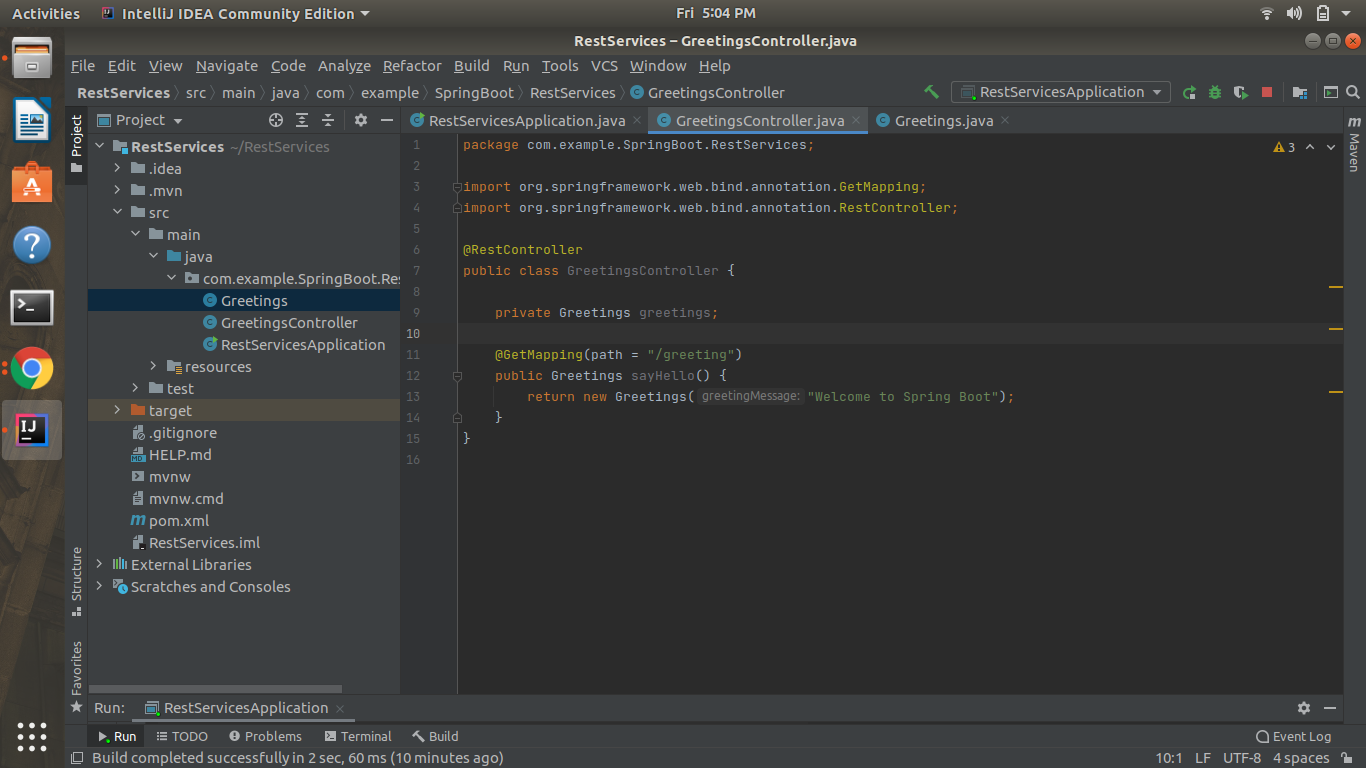
**Restful Web Services, Part-1**

Date-5/03/21

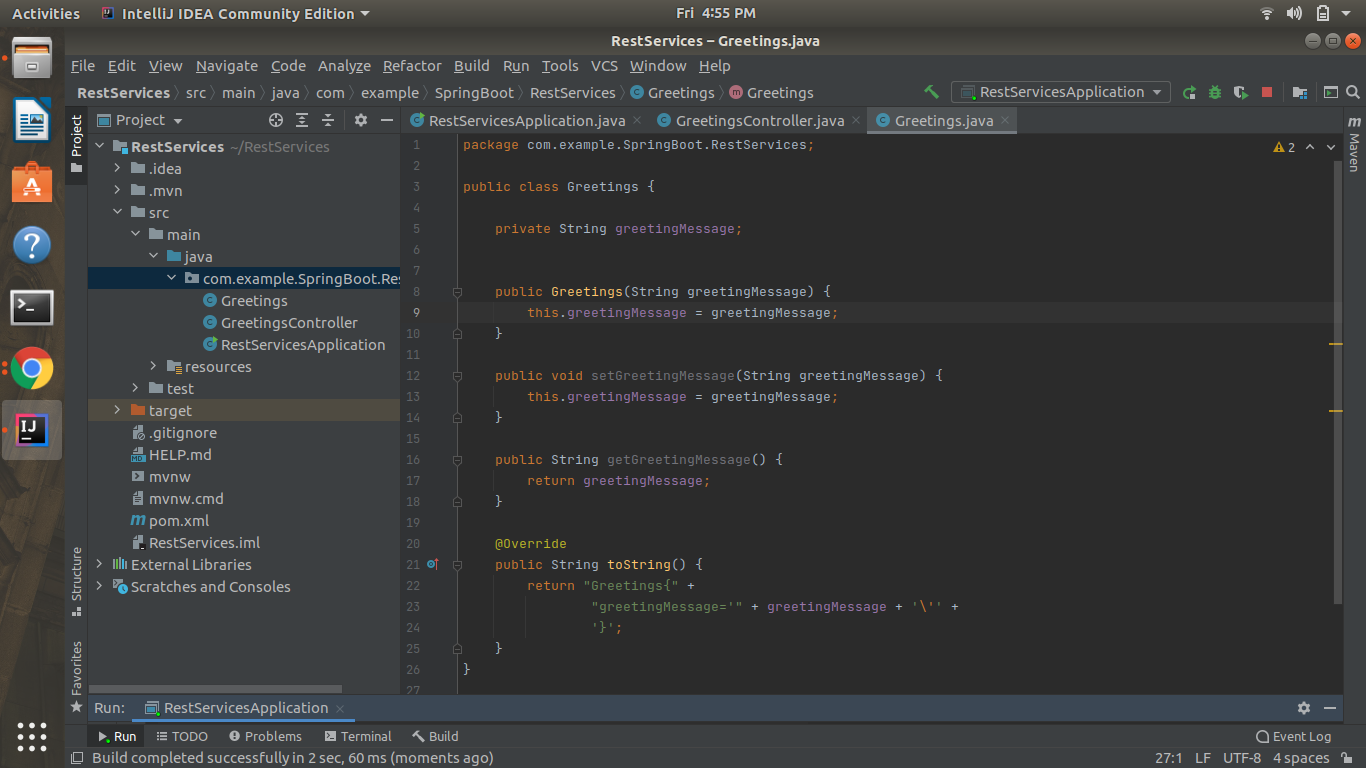
Q1)Create a simple RESTful service in Spring Boot which returns the Response "Welcome to spring boot".

Answer

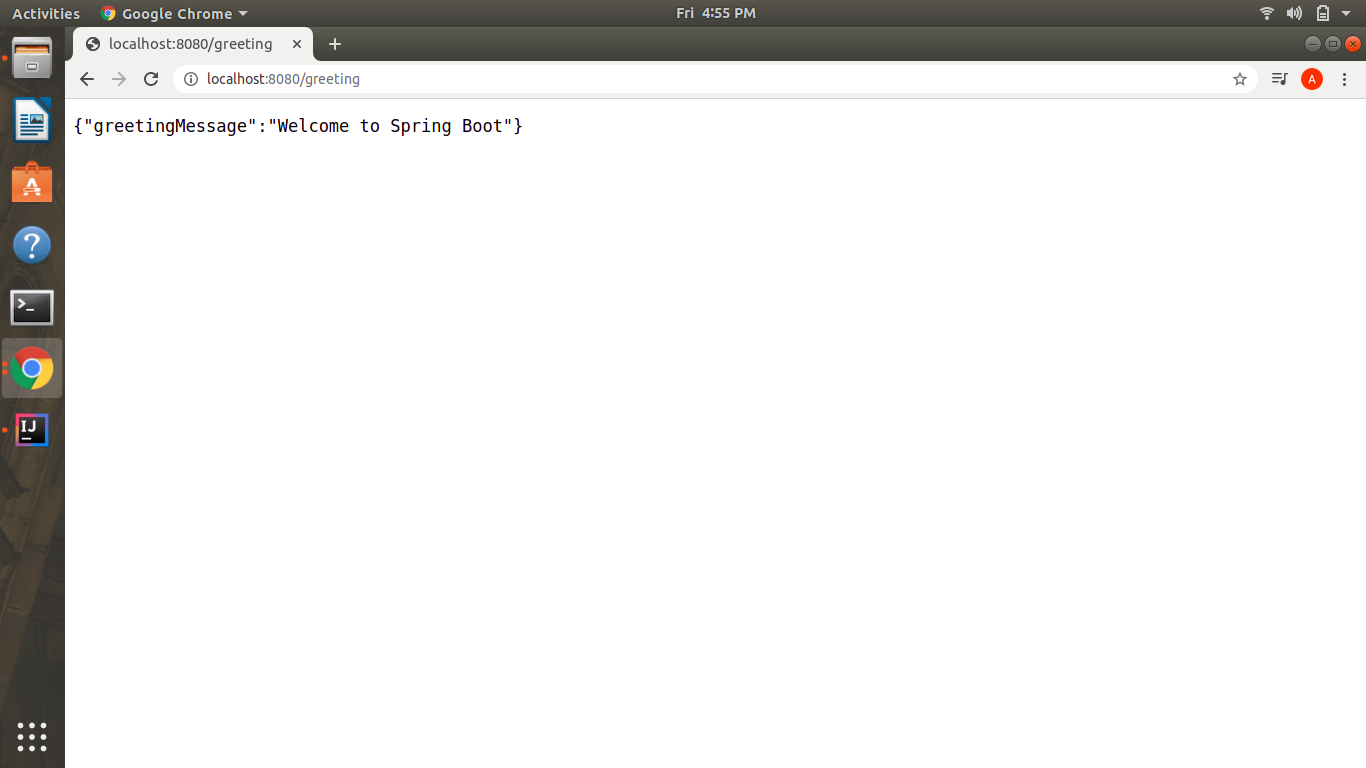
GreetingsController.java



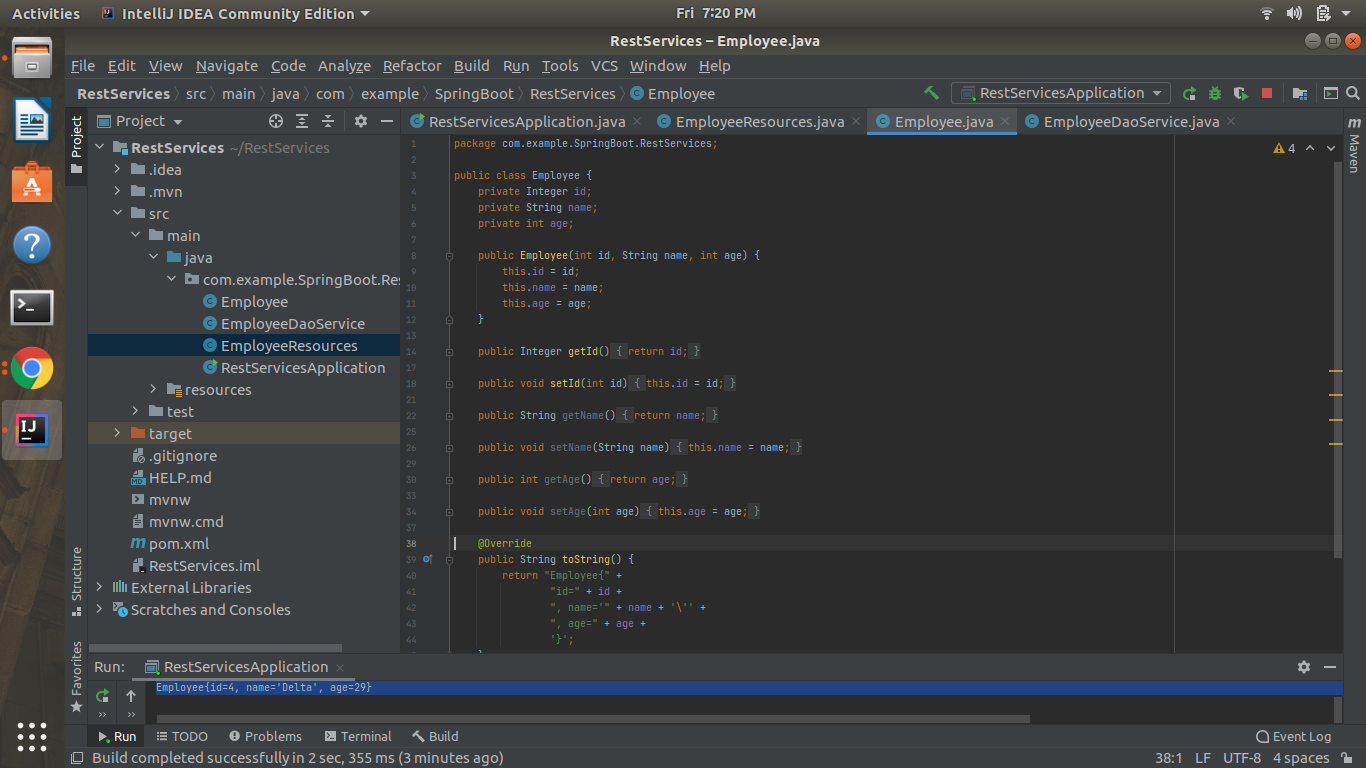
Greetings.java



Output(localhost:8080/greeting)



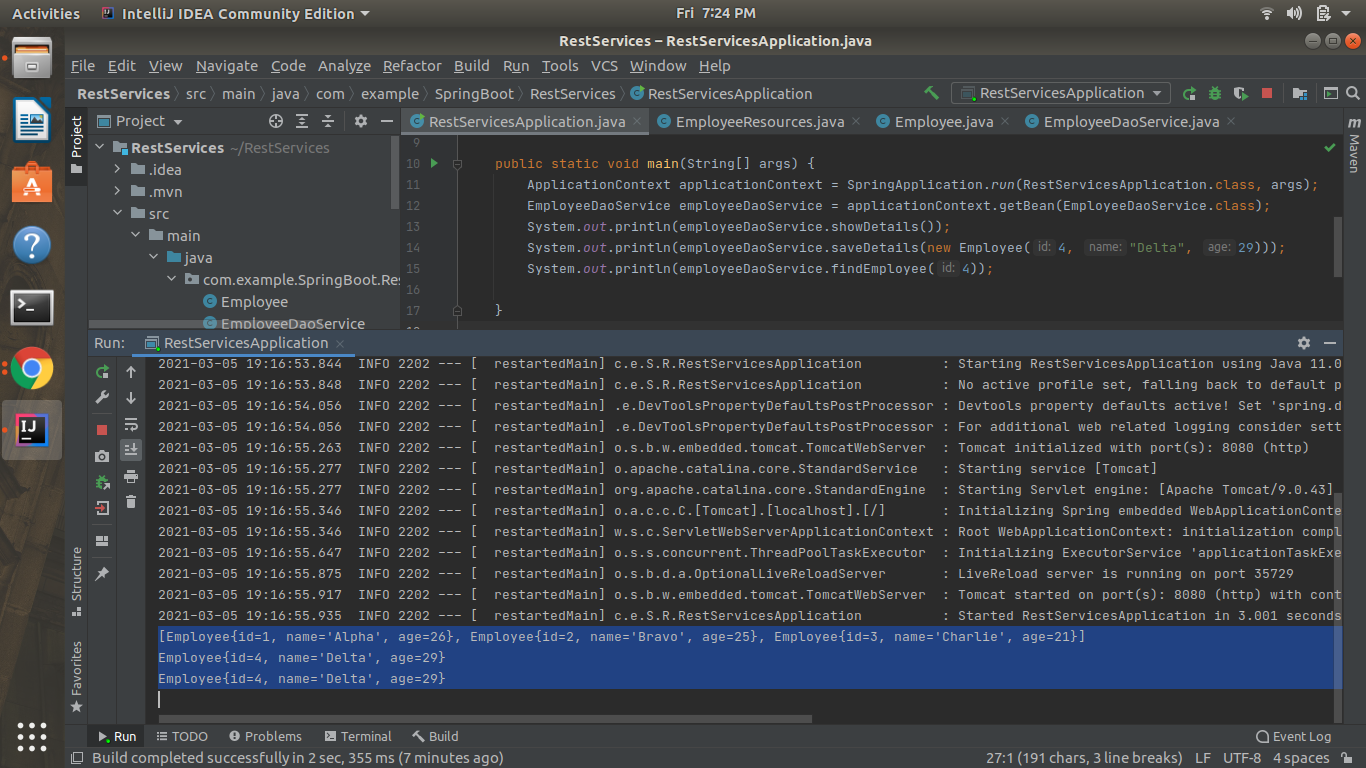
Q2)Create an Employee Bean(id, name, age) and service to perform different operations related to the employee.

Answer-Employee.java

EmployeeDaoService.java

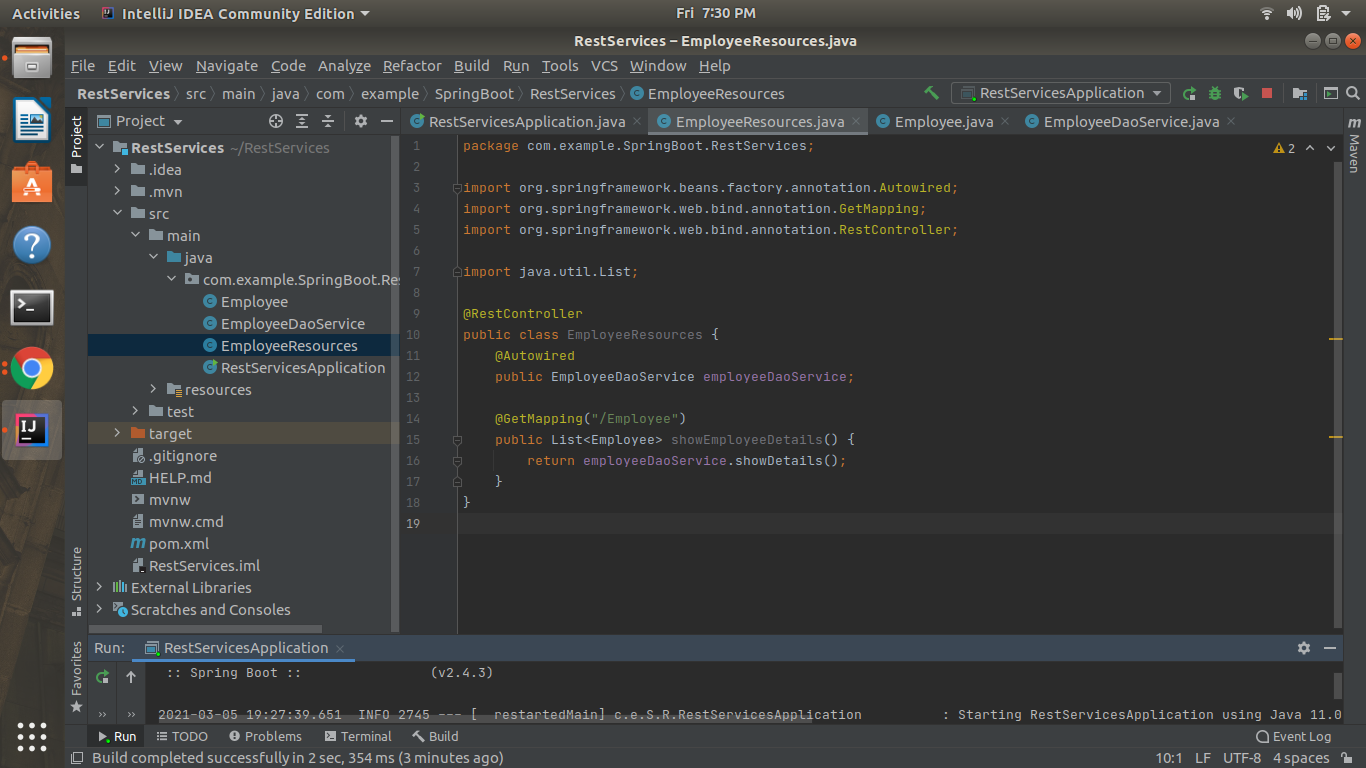


Main class(Output in console)

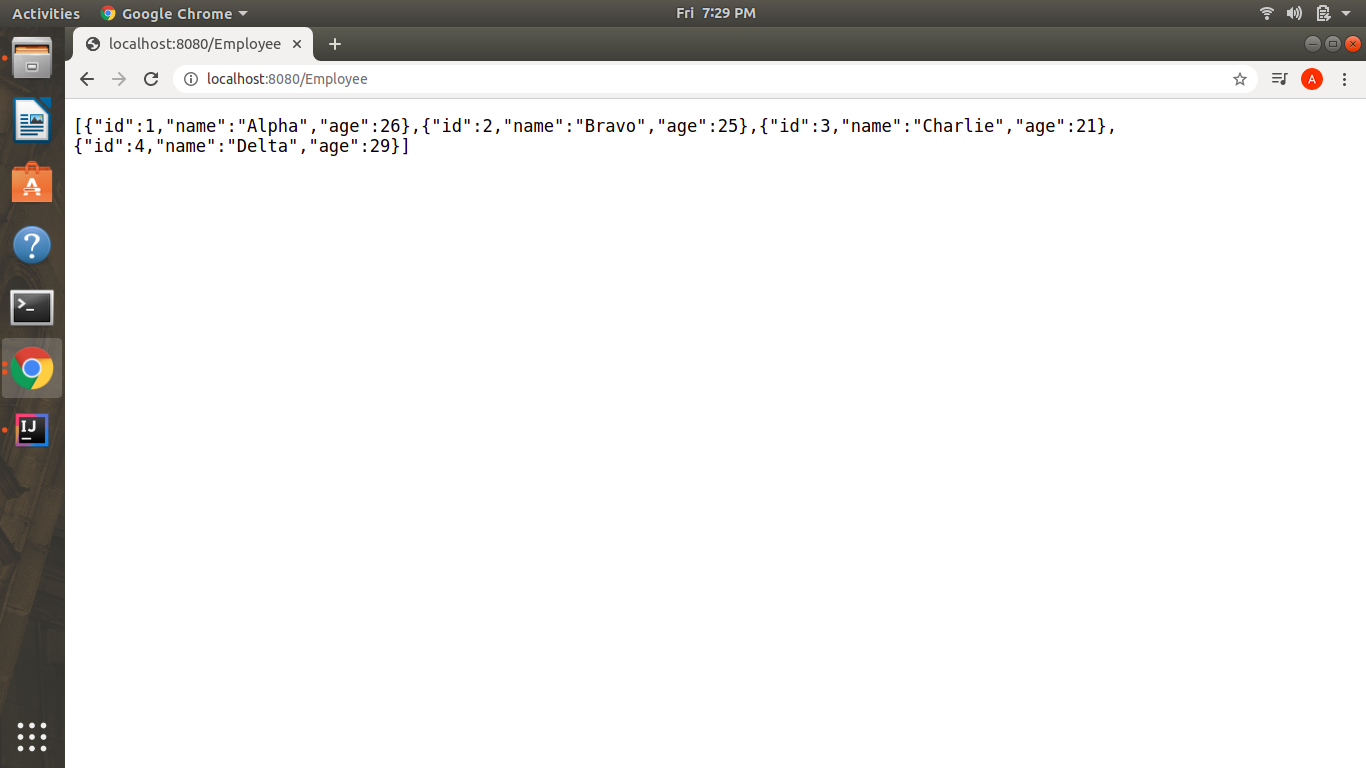


Q3)Implement a GET http request for Employee to get a list of employees.

EmployeeResources.java

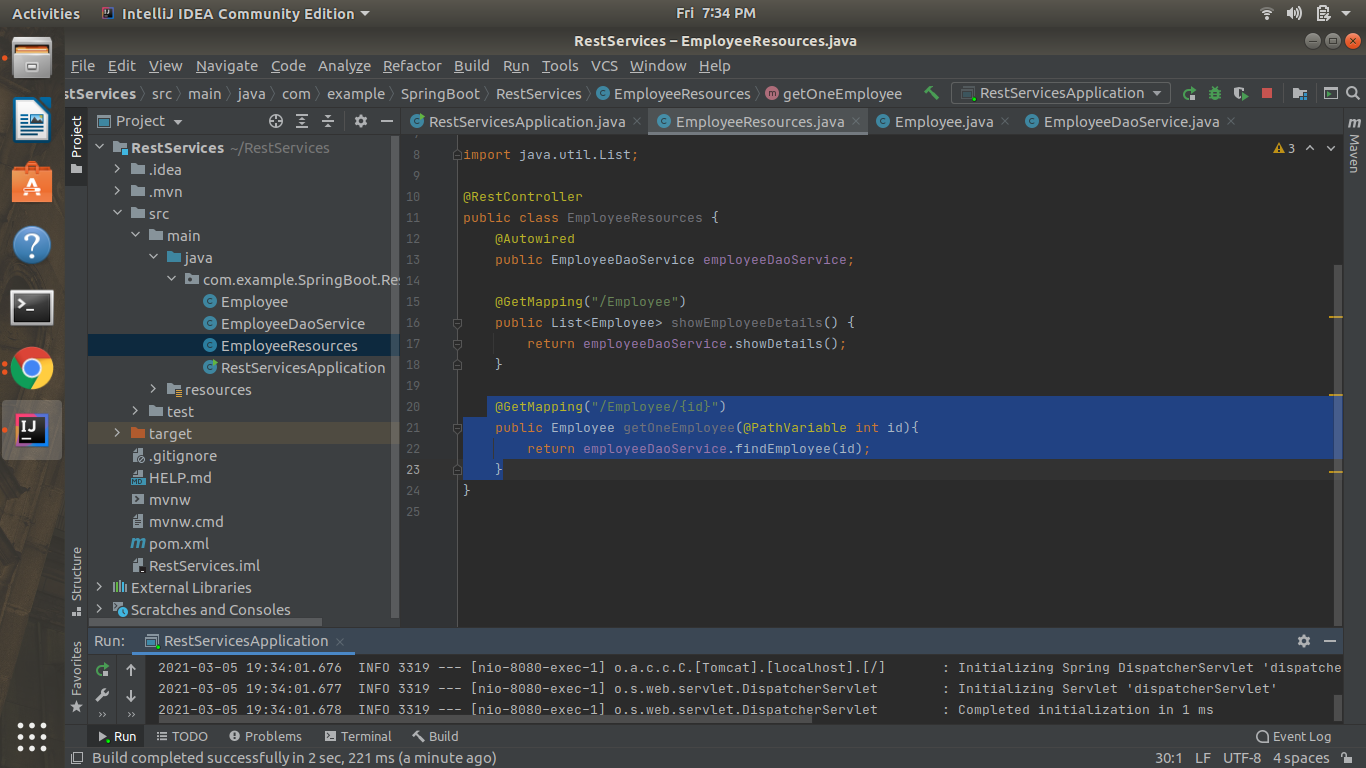


Output(localhost:8080/Employee)

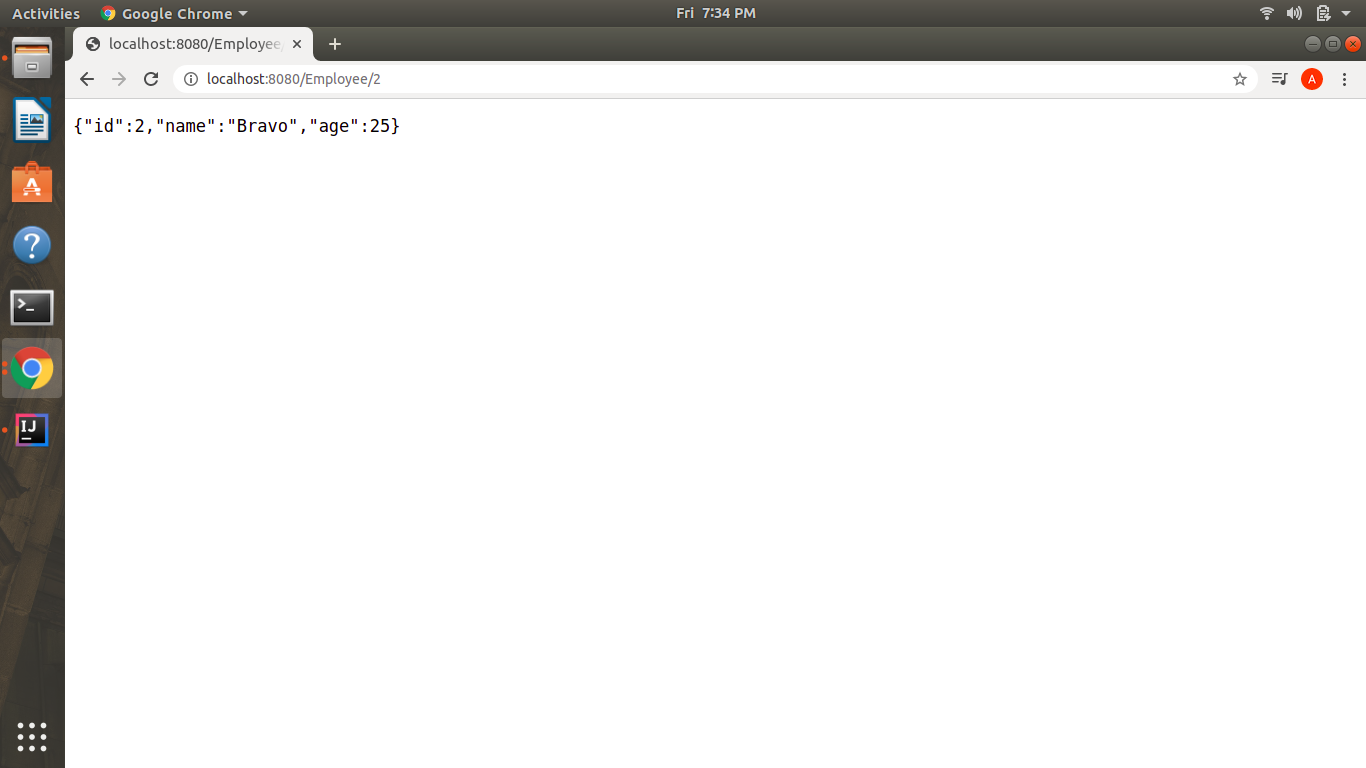


Q4)Implement GET http request using path variable top get one employee

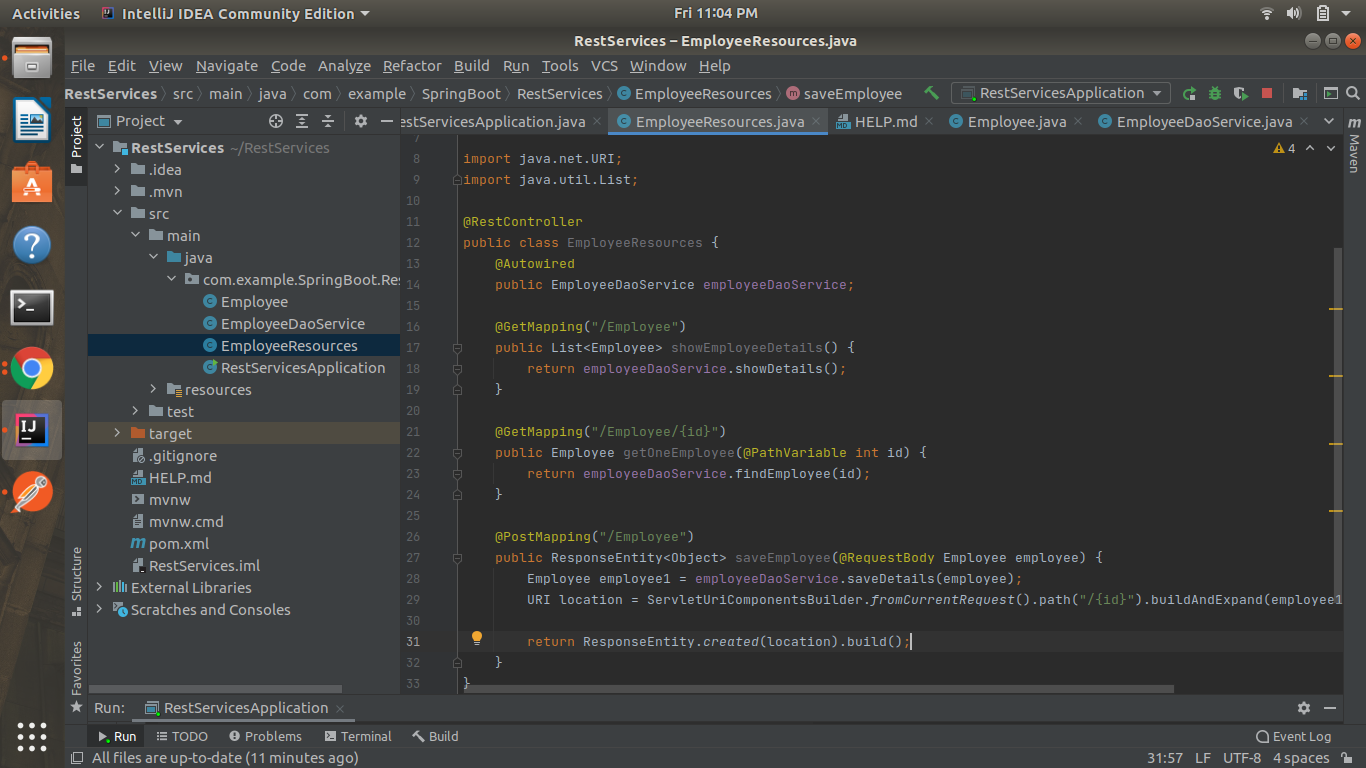
EmployeeResources.java

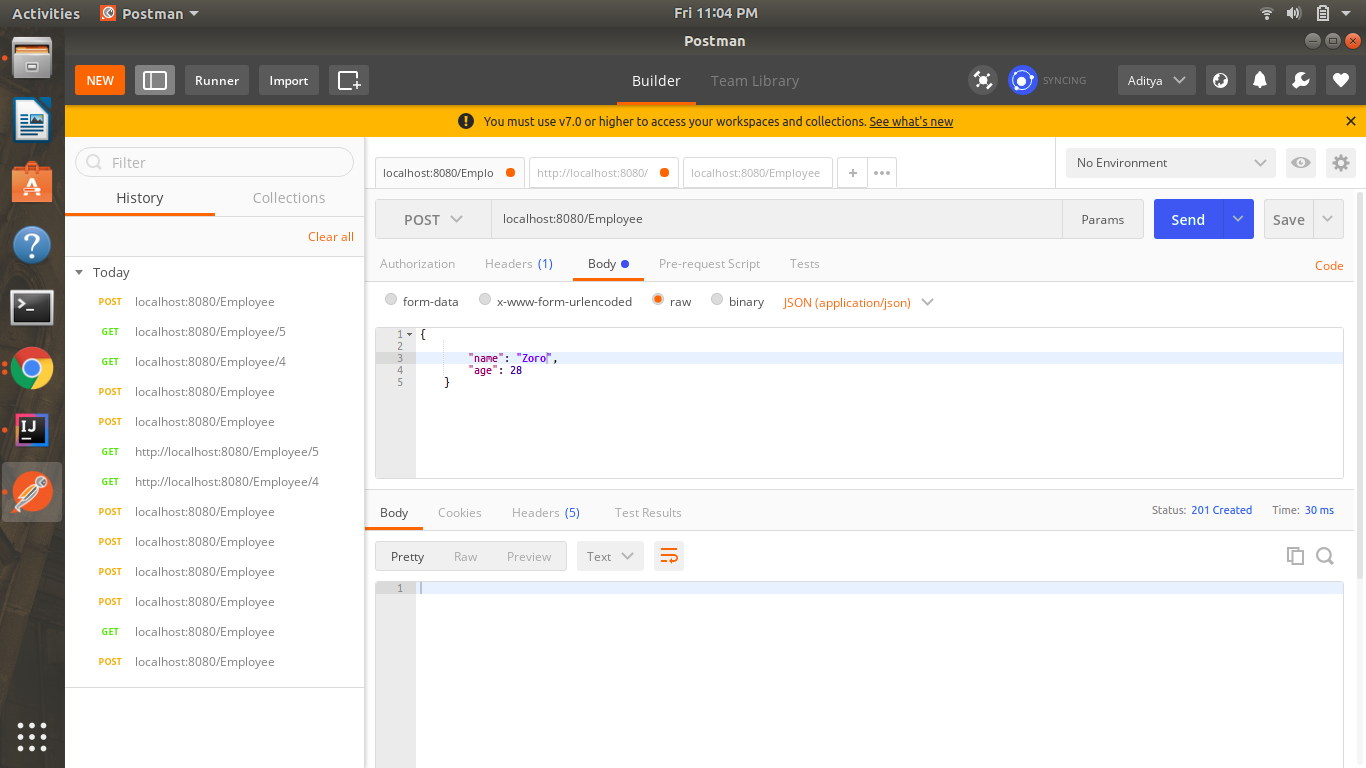


Output(localhost:8080/Employee/2)

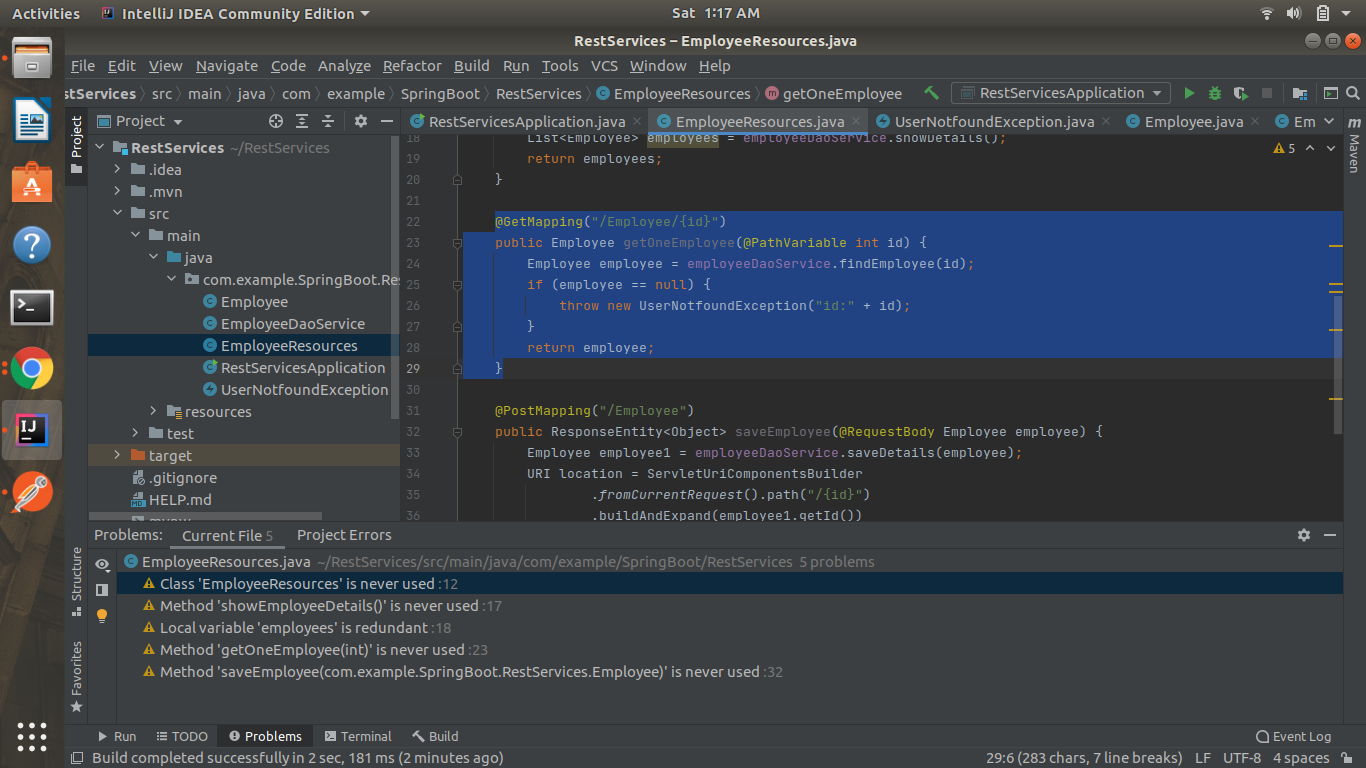


Q5)Implement POST http request for Employee to create a new employee.



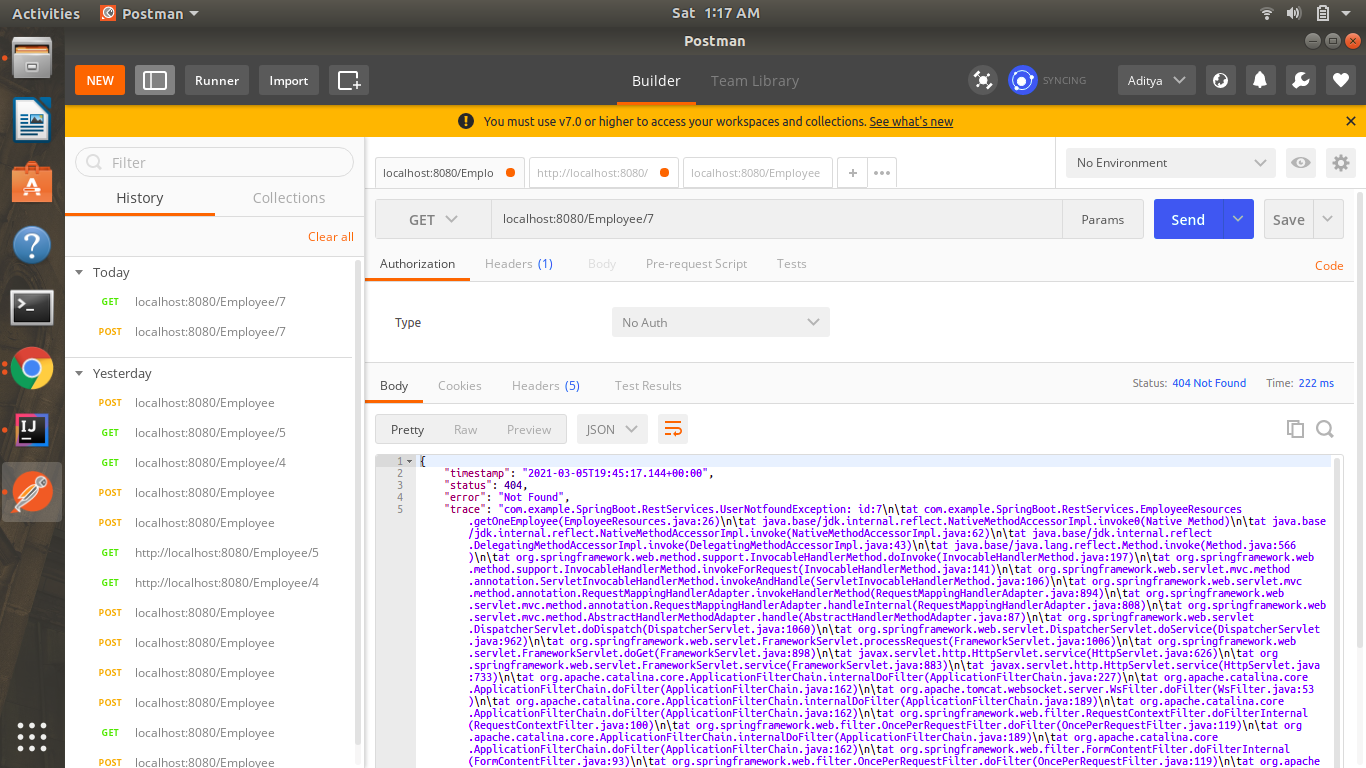


Q6)Implement Exception Handling for resource not found



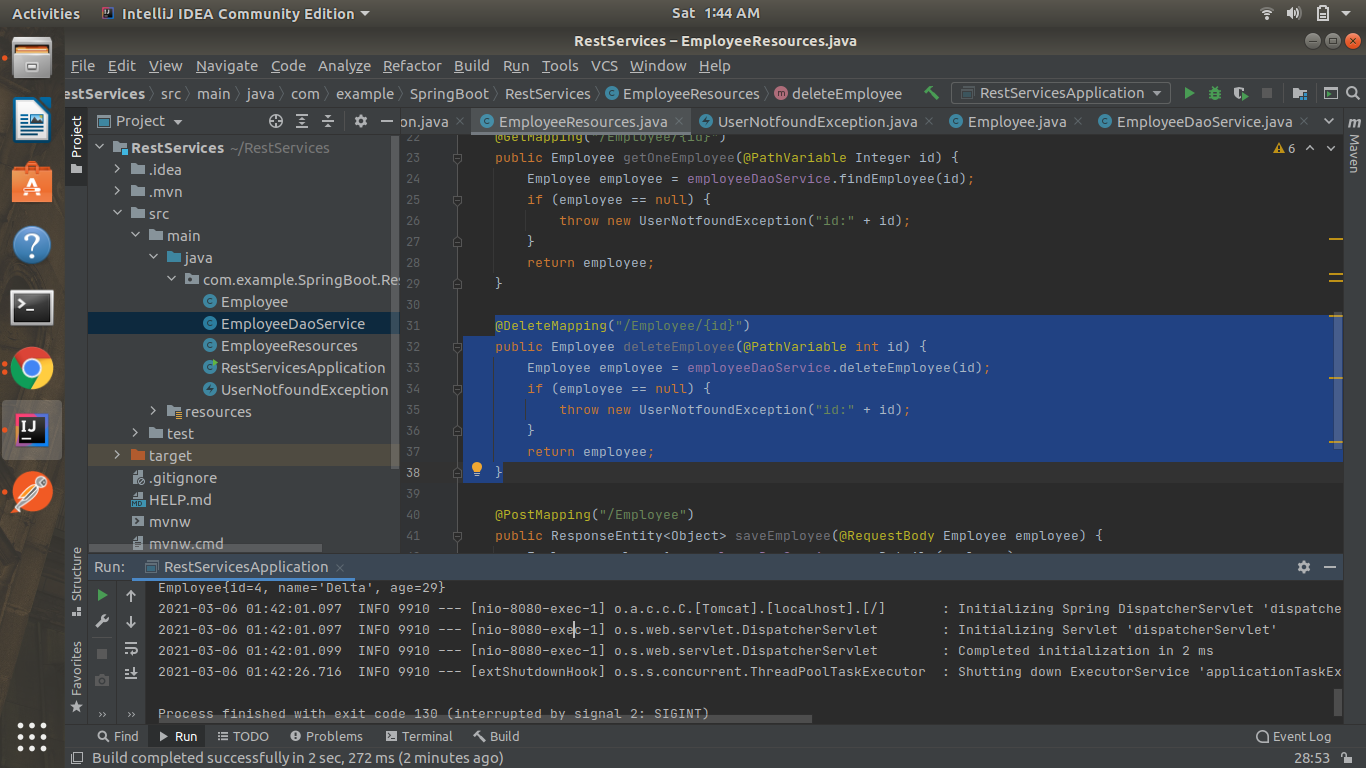


output

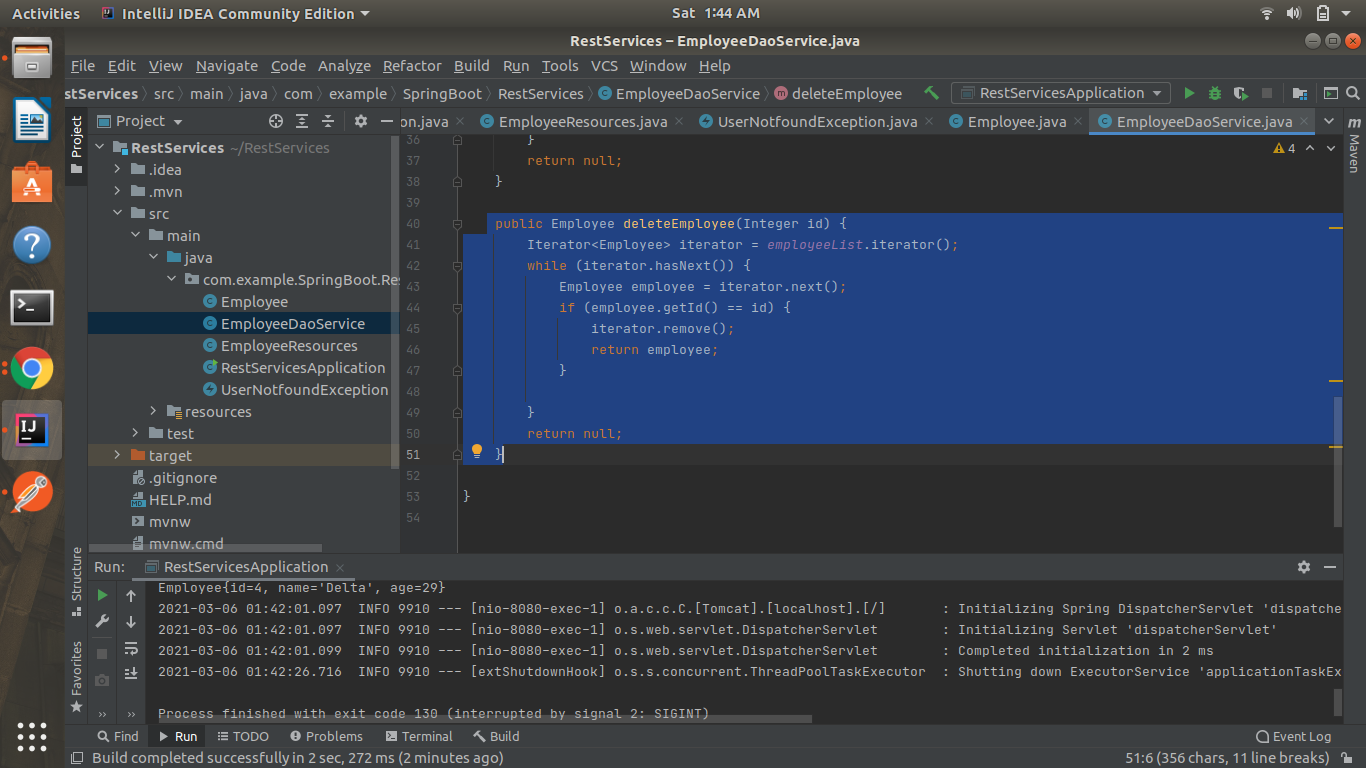


Q7)Implement DELETE http request for Employee to delete employee

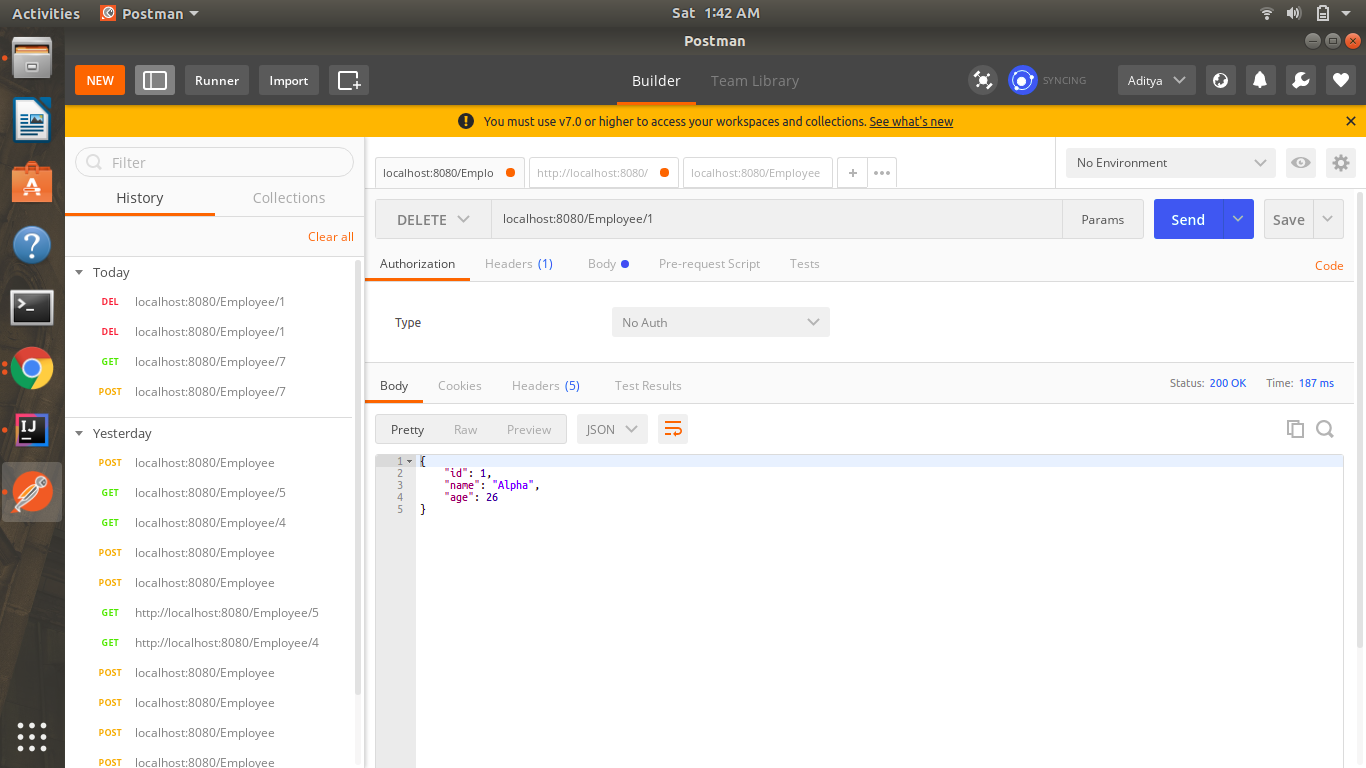
EmployeeResources.java



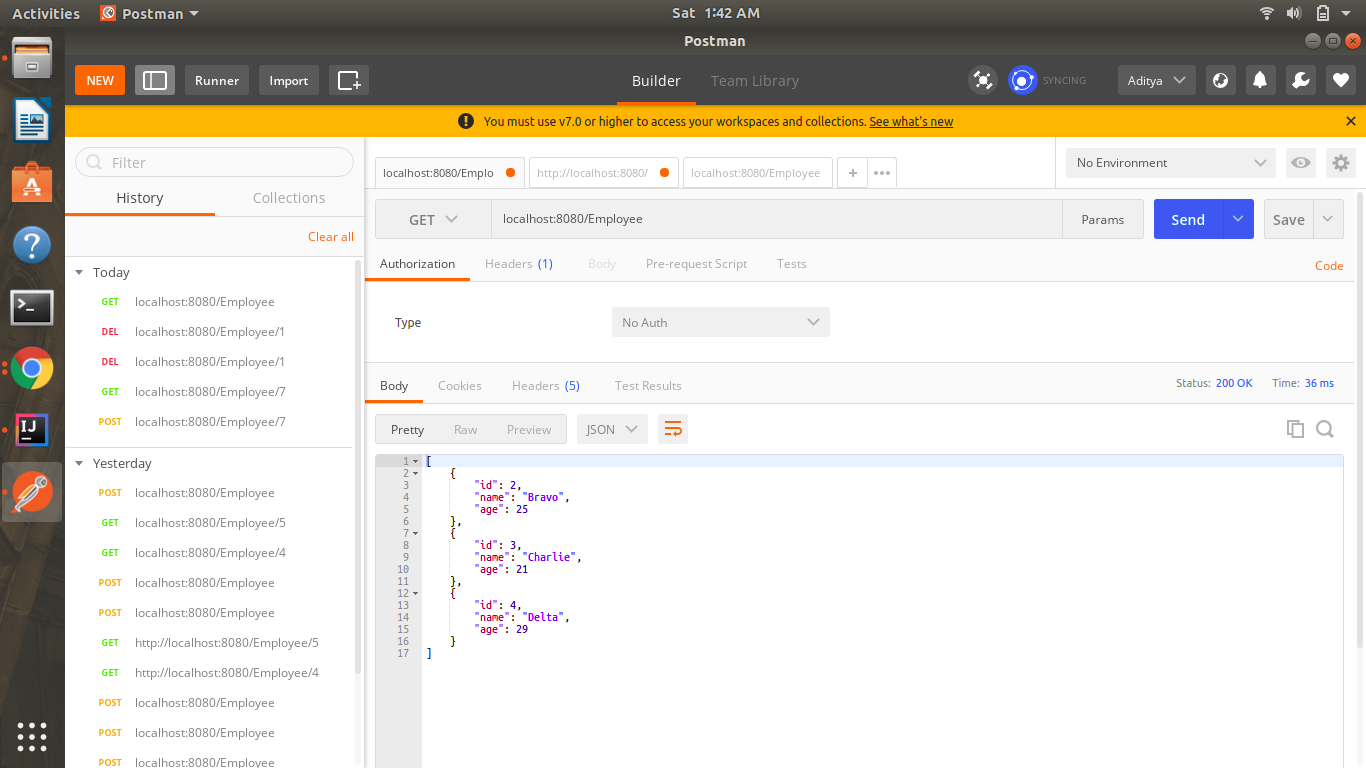
EmployeeDaoService.java



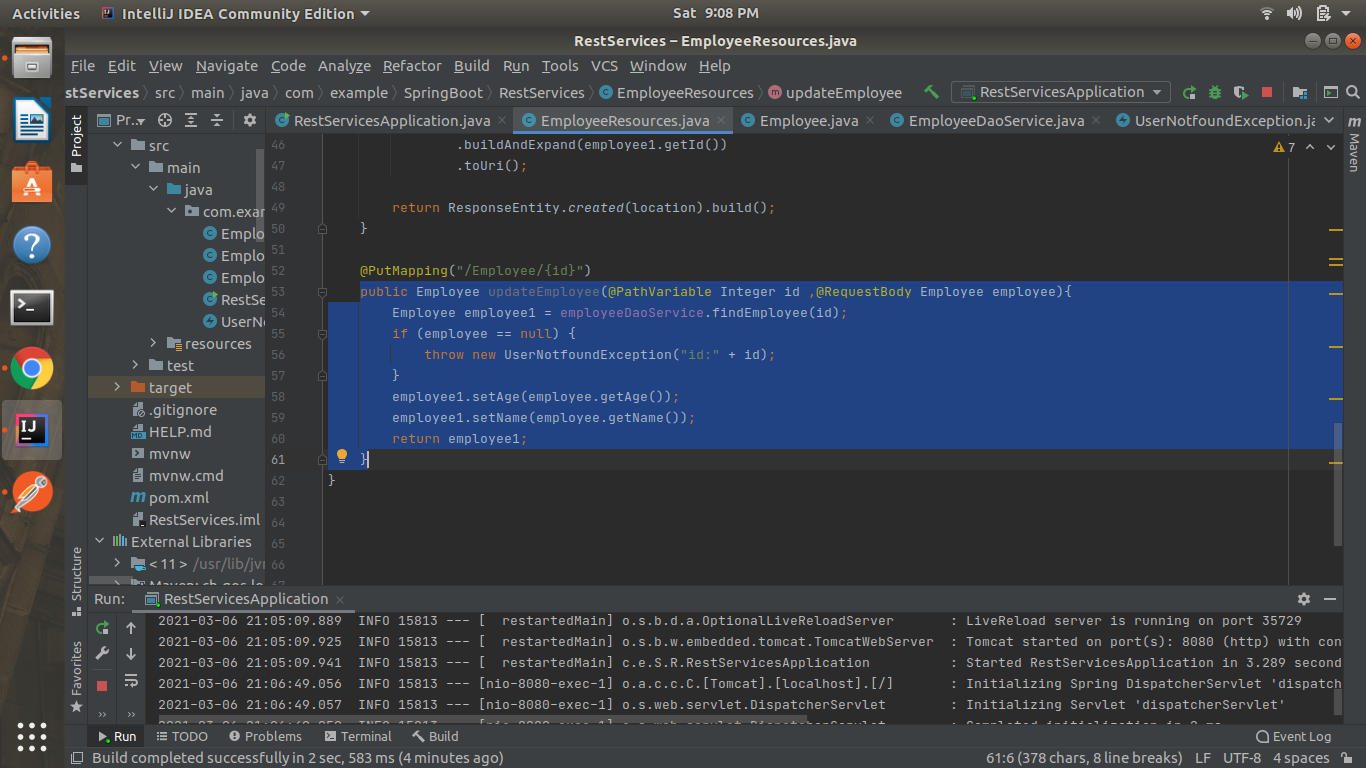
Output of Delete Request



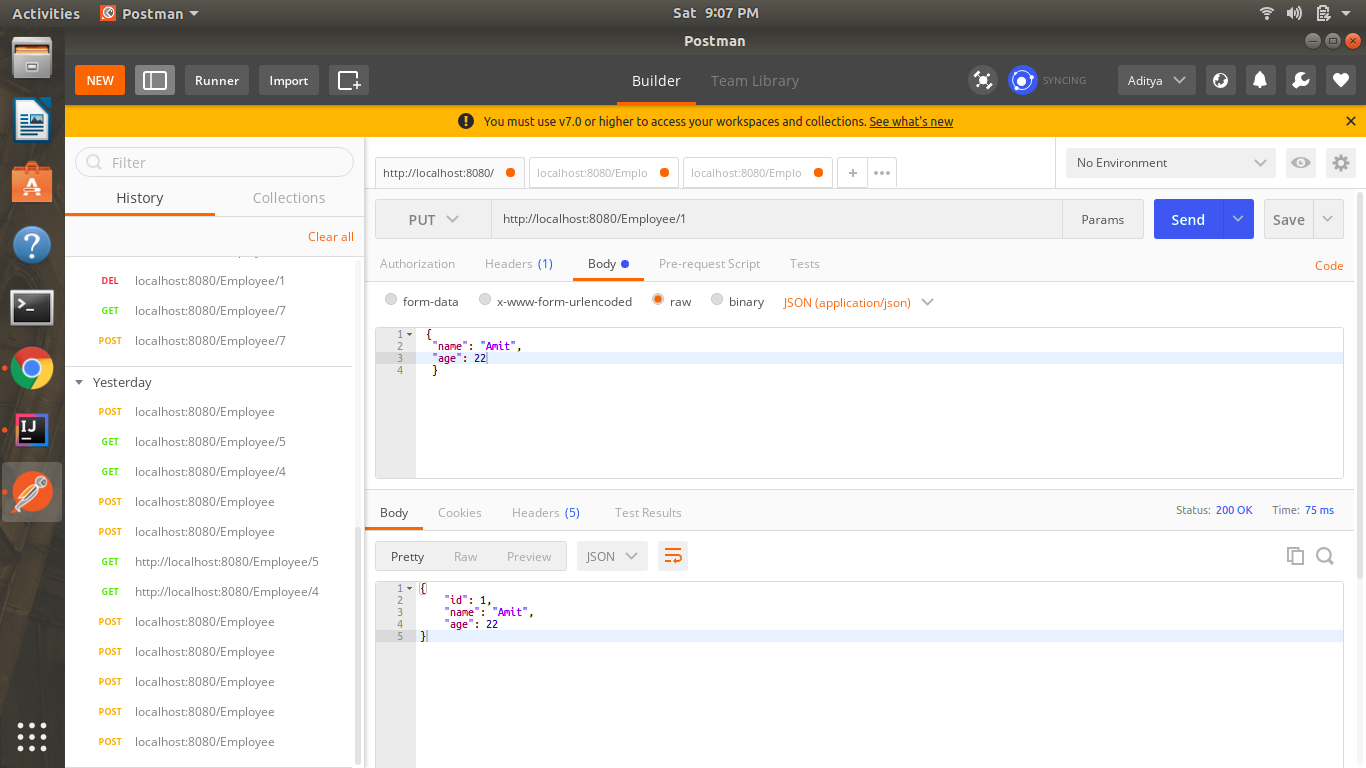
Getting Users’ Details after deleting user with id=1



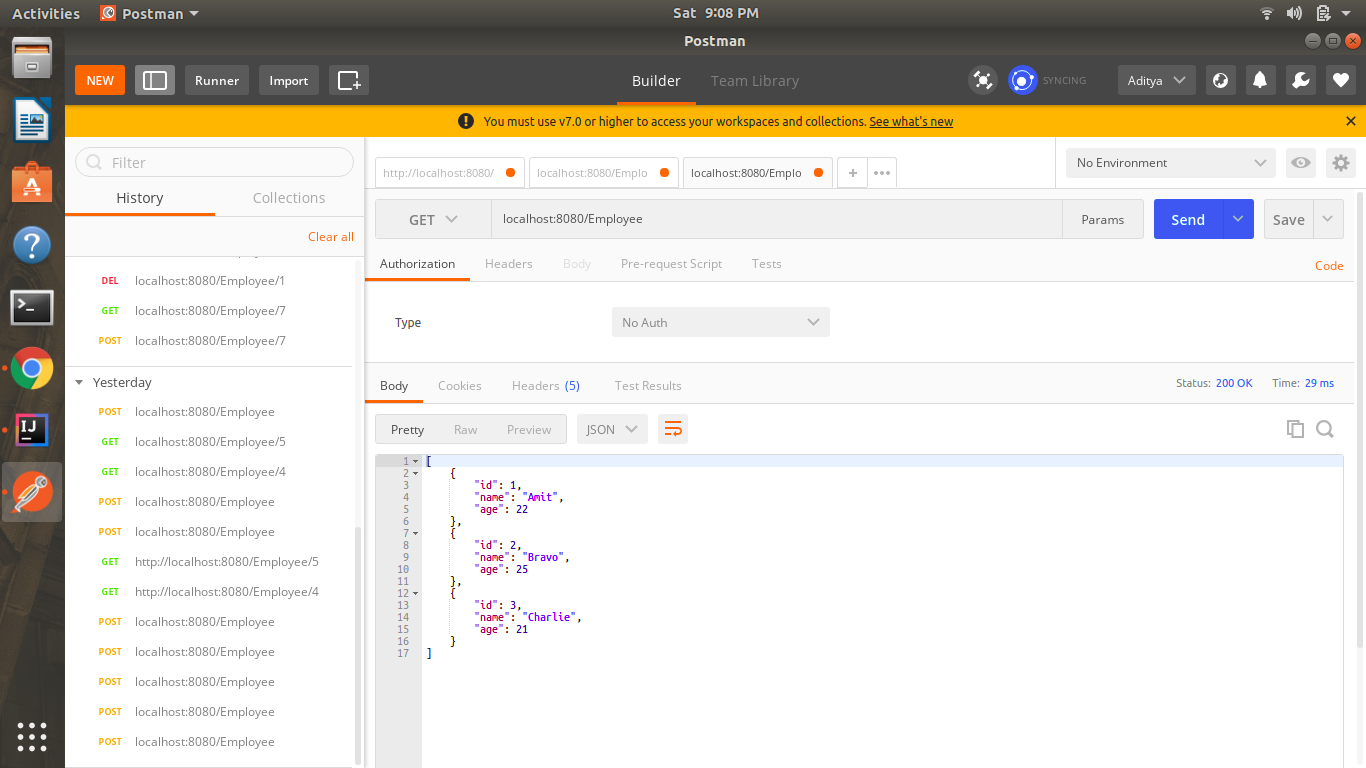
Q8)Implement PUT http request for Employee to update employee.



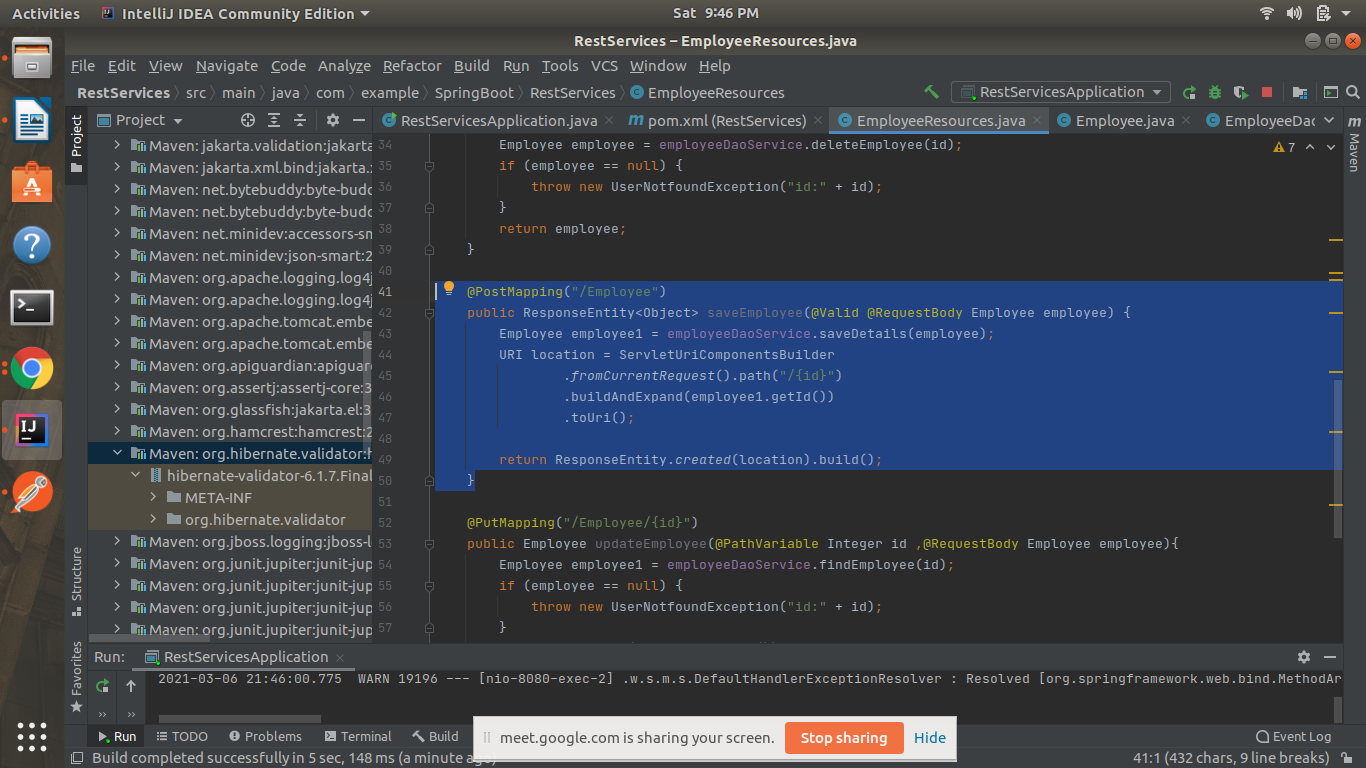
Sending a put request to update a user with id=1

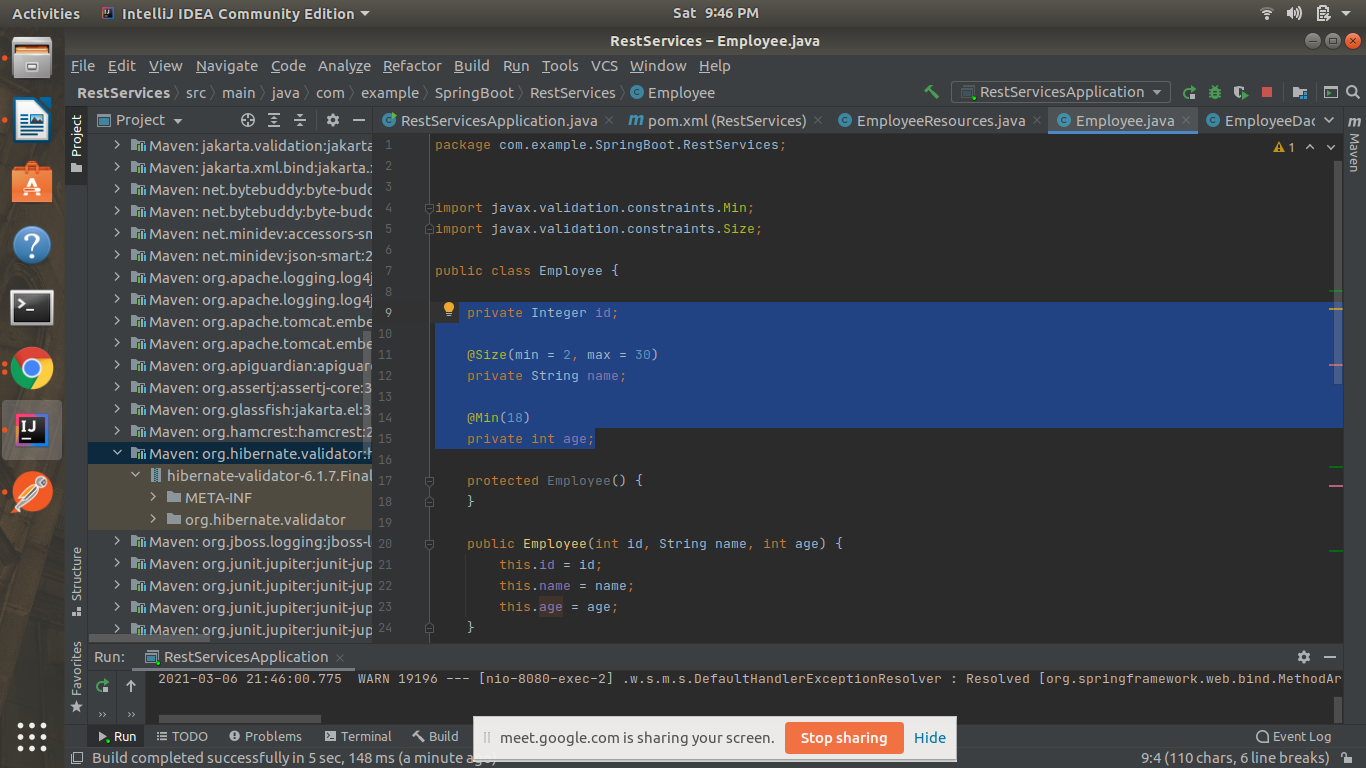


Checking the updated value



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







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

