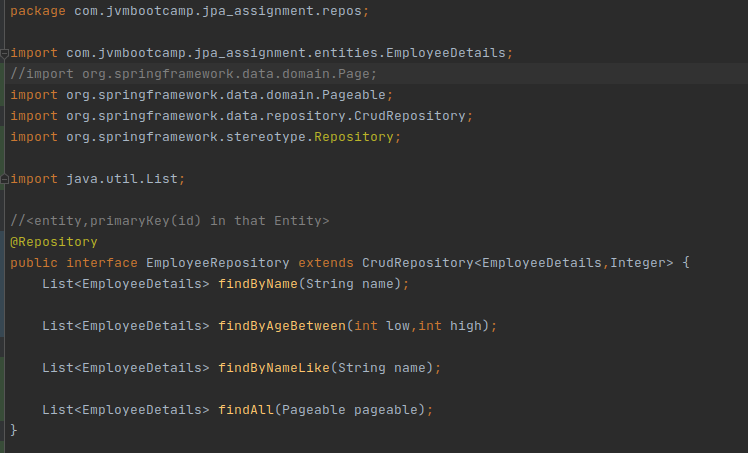
**Spring Data JPA using hibernate**

**EmployeeRespository.java**

****

**(1) Create an Employee Entity which contains following fields**

**Name**

**Id**

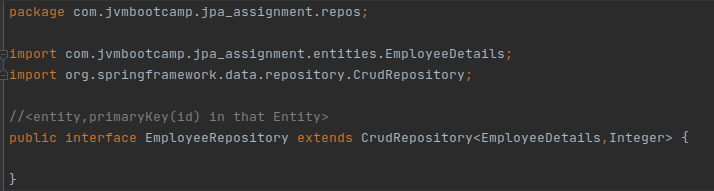
**Age**

**Location**

****

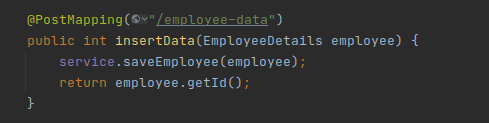
**-------------------------------------------------------------------------------------------------------------------------------**

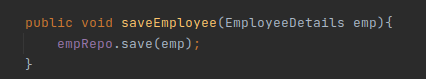
**(2)Set up EmployeeRepository with Spring Data JPA.**

****

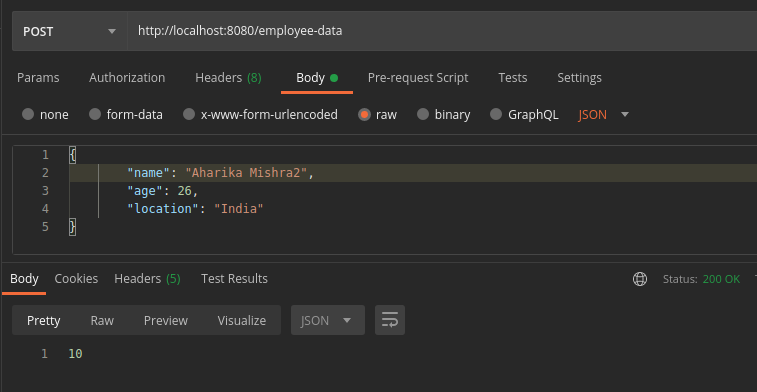
**-------------------------------------------------------------------------------------------------------------------------------**

**(3) Perform Create Operation on Entity using Spring Data JPA.**

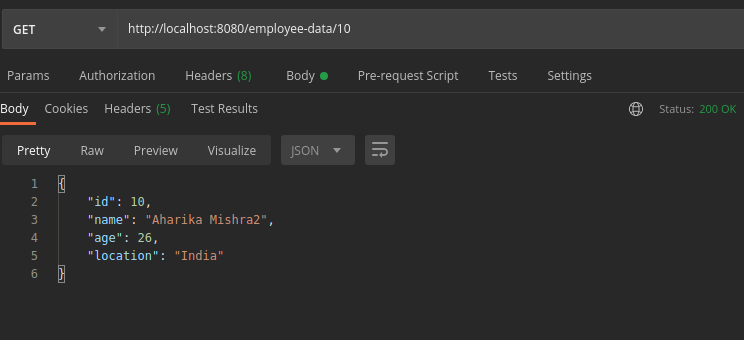
**EmployeeController.java:**

**EmployeeService.java: **

**Output: inserted the row:** [**http://localhost:8080/employee-data**](http://localhost:8080/employee-data) **(using post)**

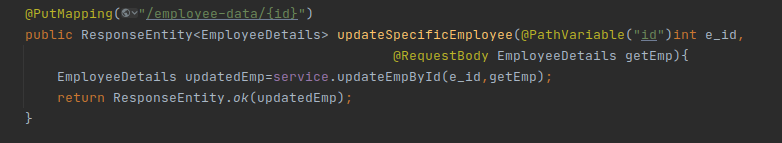
****

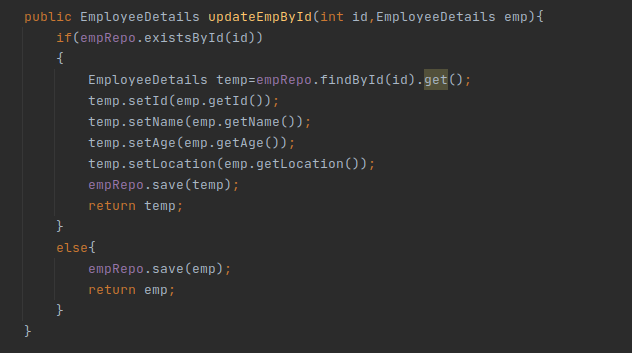
**Fetching the same using get** [**http://localhost:8080/employee-data/10**](http://localhost:8080/employee-data/10)

****

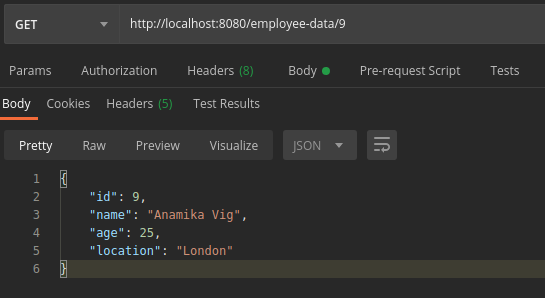
**-------------------------------------------------------------------------------------------------------------------------------**

**(4) Perform Update Operation on Entity using Spring Data JPA.**

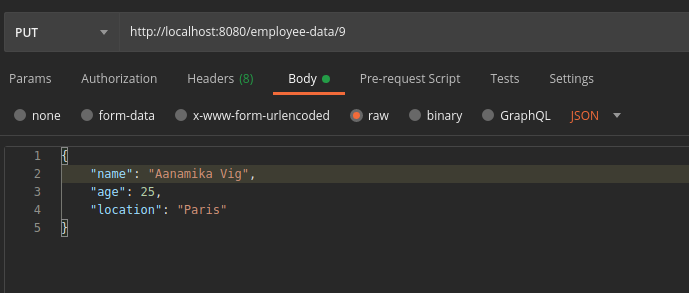
**EmployeeController.java**

**EmployeeService.java**

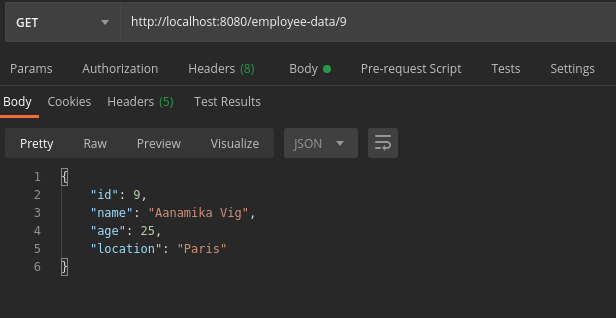
**Output: before updation-** [**http://localhost:8080/employee-data/9**](http://localhost:8080/employee-data/9) **(get)**

****

**Updating -----**

[**http://localhost:8080/employee-data/9**](http://localhost:8080/employee-data/9) **(using put)**

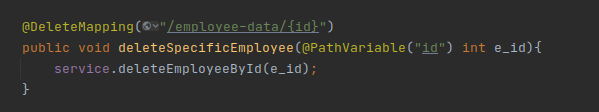
**After updation--** [**http://localhost:8080/employee-data/9**](http://localhost:8080/employee-data/9) **(using get)**

****

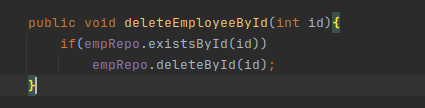
**-------------------------------------------------------------------------------------------------------------------------------**

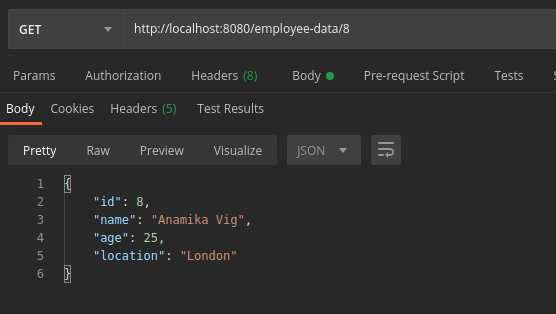
**(5) Perform Delete Operation on Entity using Spring Data JPA.**

**EmployeeController.java**

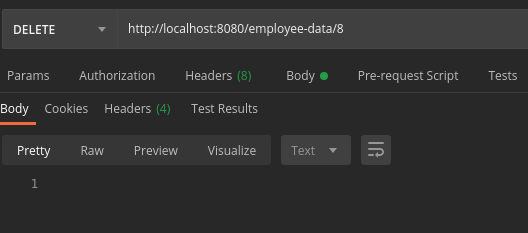
****

**EmployeeService.java**

****

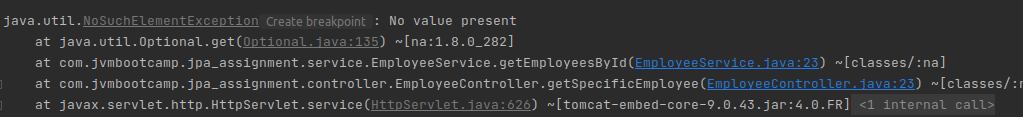
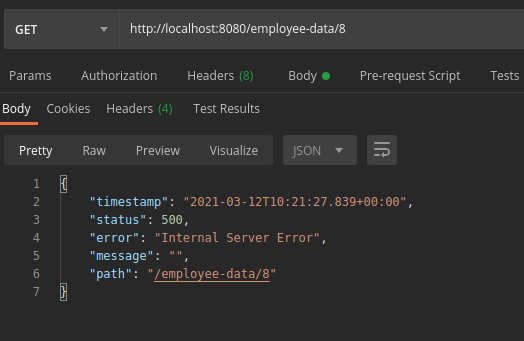
**Output: got the data-** [**http://localhost:8080/employee-data/8**](http://localhost:8080/employee-data/8)****

**Deleted the same-**

****

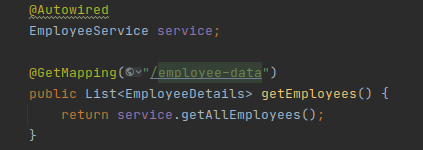
**Trying to retrieve the same after deletion:**

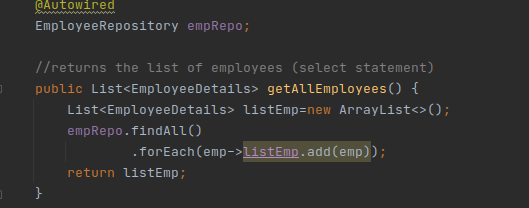
**Error:** [**http://localhost:8080/employee-data/8**](http://localhost:8080/employee-data/8) **(get)**

****

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**(6) Perform Read Operation on Entity using Spring Data JPA.**

**EmployeeController.java: **

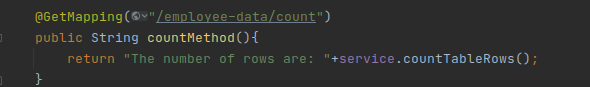
**EmployeeService.java: **

**Output:** [**http://localhost:8080/employee-data**](http://localhost:8080/employee-data)

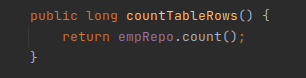
****

**-------------------------------------------------------------------------------------------------------------------------------**

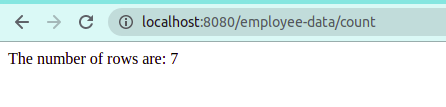
**(7)Get the total count of the number of Employees.**

**EmployeeController.java:**

**EmployeeServices.java:**

****

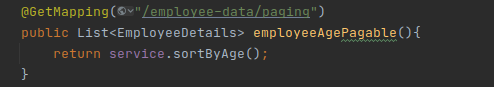
**Output:** [**http://localhost:8080/employee-data/count**](http://localhost:8080/employee-data/count)

****

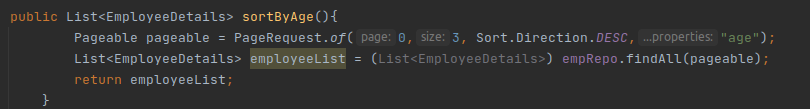
**-------------------------------------------------------------------------------------------------------------------------------**

**(7) Implement Pagination and Sorting on the bases of Employee Age.**

**EmployeeController.java**

****

**EmployeeService.java**

****

**Output:** [**http://localhost:8080/employee-data/paging**](http://localhost:8080/employee-data/paging)

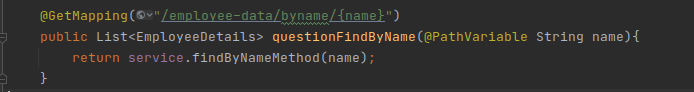
**Ascending order-**

****

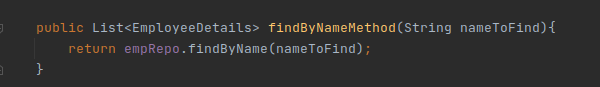
**Descending order:**

**-------------------------------------------------------------------------------------------------------------------------------**

**(8) Create and use finder to find Employee by Name.**

**EmployeeController.java: **

**EmployeeService.java**

****

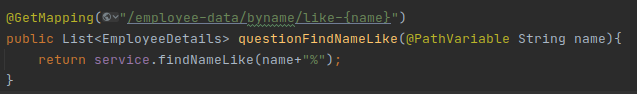
**Output:** [**http://localhost:8080/employee-data/byname/eric**](http://localhost:8080/employee-data/byname/eric)

****

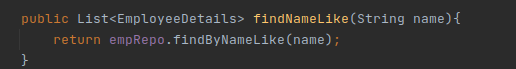
**-------------------------------------------------------------------------------------------------------------------------------**

**(9) Create and use finder to find Employees starting with A character.**

**EmployeeController.java**

****

**Employeeservice.java**

****

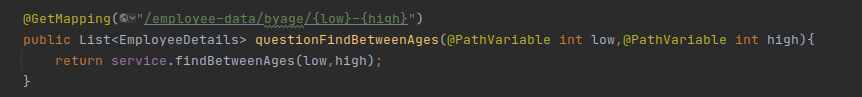
**Output:** [**http://localhost:8080/employee-data/byname/like-A**](http://localhost:8080/employee-data/byname/like-A)

****

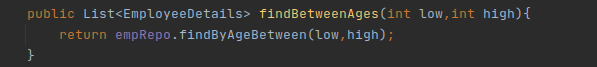
**-------------------------------------------------------------------------------------------------------------------------------**

**(10) Create and use finder to find Employees Between the age of 28 to 32.**

**EmployeeController.java**

****

**EmployeeService.java**

****

**Output:** [**http://localhost:8080/employee-data/byage/28-32**](http://localhost:8080/employee-data/byage/28-32)

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