

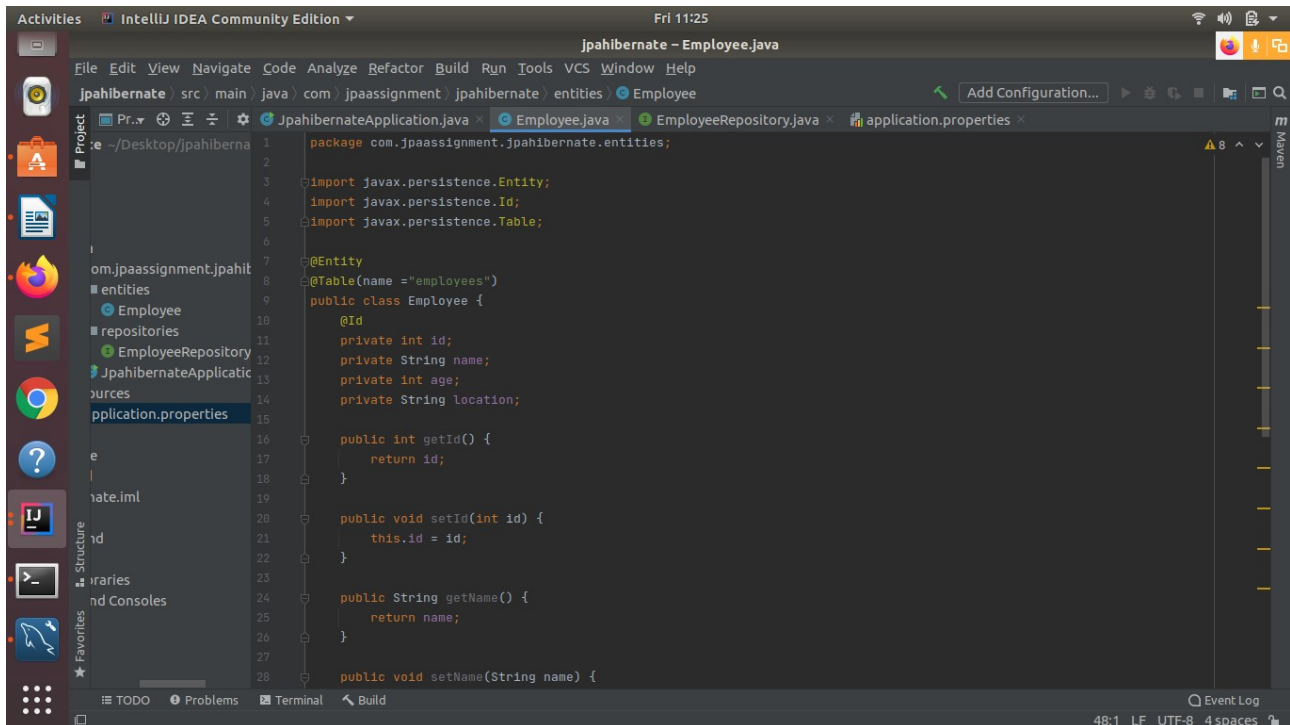
Q1.Create an Employee Entity which contains following fields

Name

Id

Age

Location



The screenshot shows the IntelliJ IDEA Community Edition interface. The main editor window displays the `Employee.java` file. The code includes the following:

```
package com.jpassignment.jpahibernate.entities;

import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity
@Table(name = "employees")
public class Employee {
    @Id
    private int id;
    private String name;
    private int age;
    private String location;

    public int getId() {
        return id;
    }

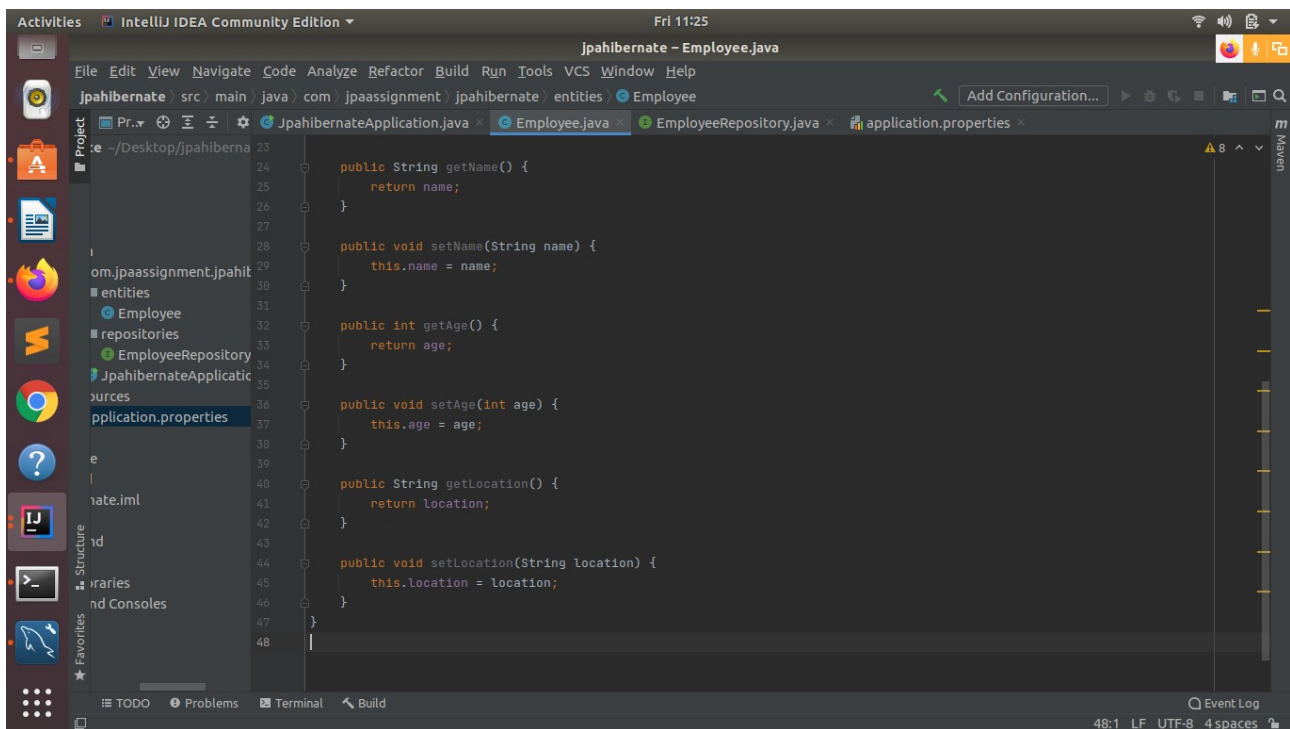
    public void setId(int id) {
        this.id = id;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
```

The left sidebar shows the project structure with the following folders and files:

- src/main/java/com/jpassignment/jpahibernate/entities/Employee.java
- src/main/java/com/jpassignment/jpahibernate/entities/EmployeeRepository.java
- src/main/java/com/jpassignment/jpahibernate/entities/application.properties



The screenshot shows the IntelliJ IDEA Community Edition interface. The main editor window displays the `Employee.java` file. The code includes the following:

```
public String getName() {
    return name;
}

public void setName(String name) {
    this.name = name;
}

public int getAge() {
    return age;
}

public void setAge(int age) {
    this.age = age;
}

public String getLocation() {
    return location;
}

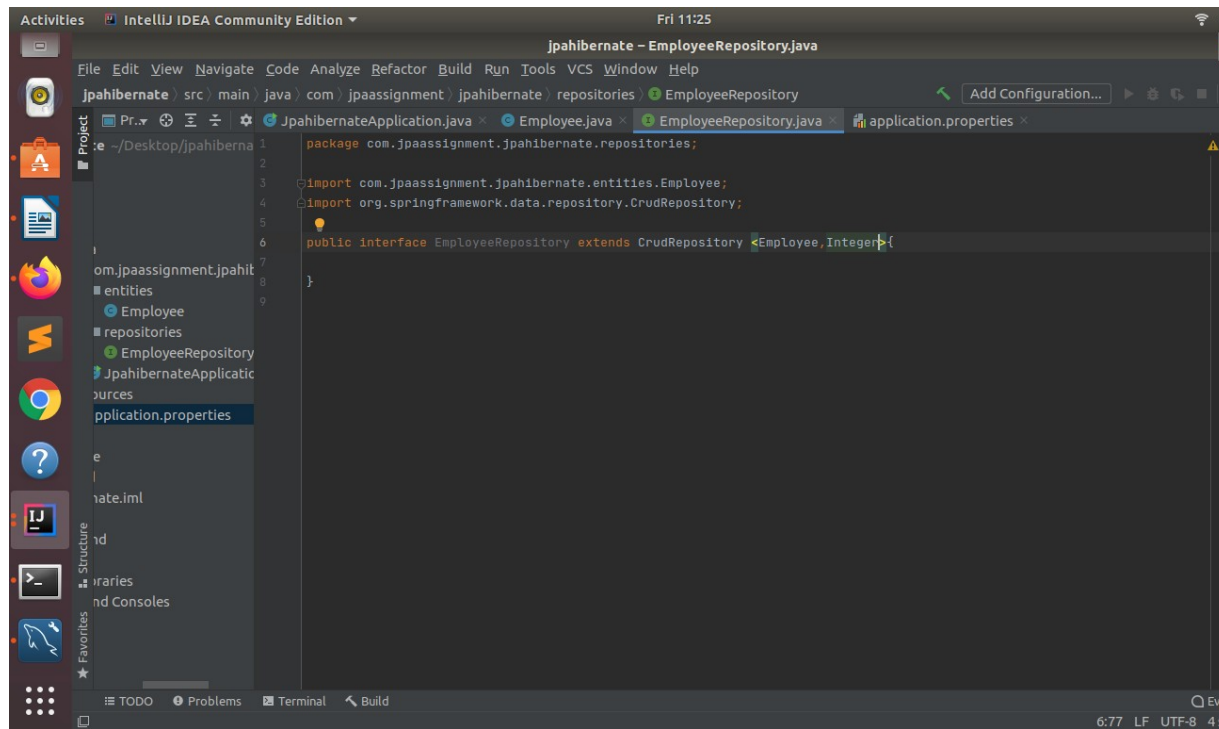
public void setLocation(String location) {
    this.location = location;
}

}
```

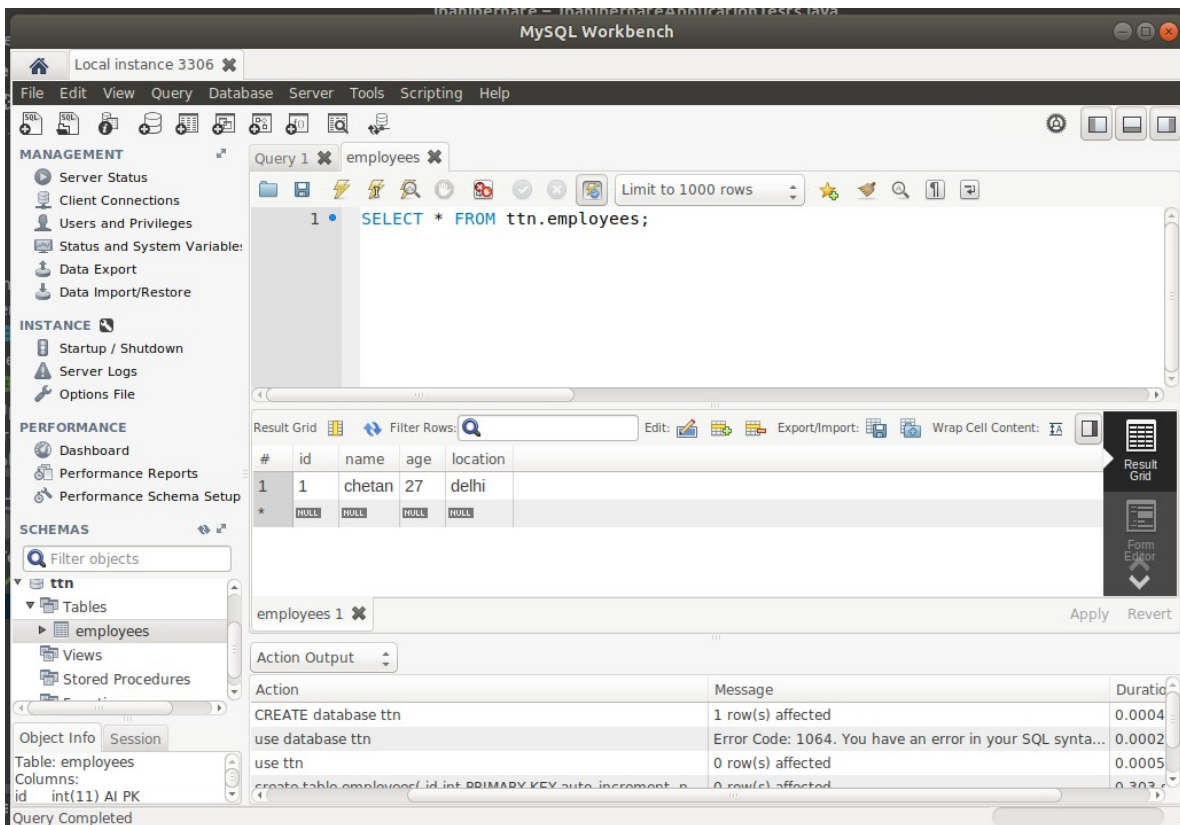
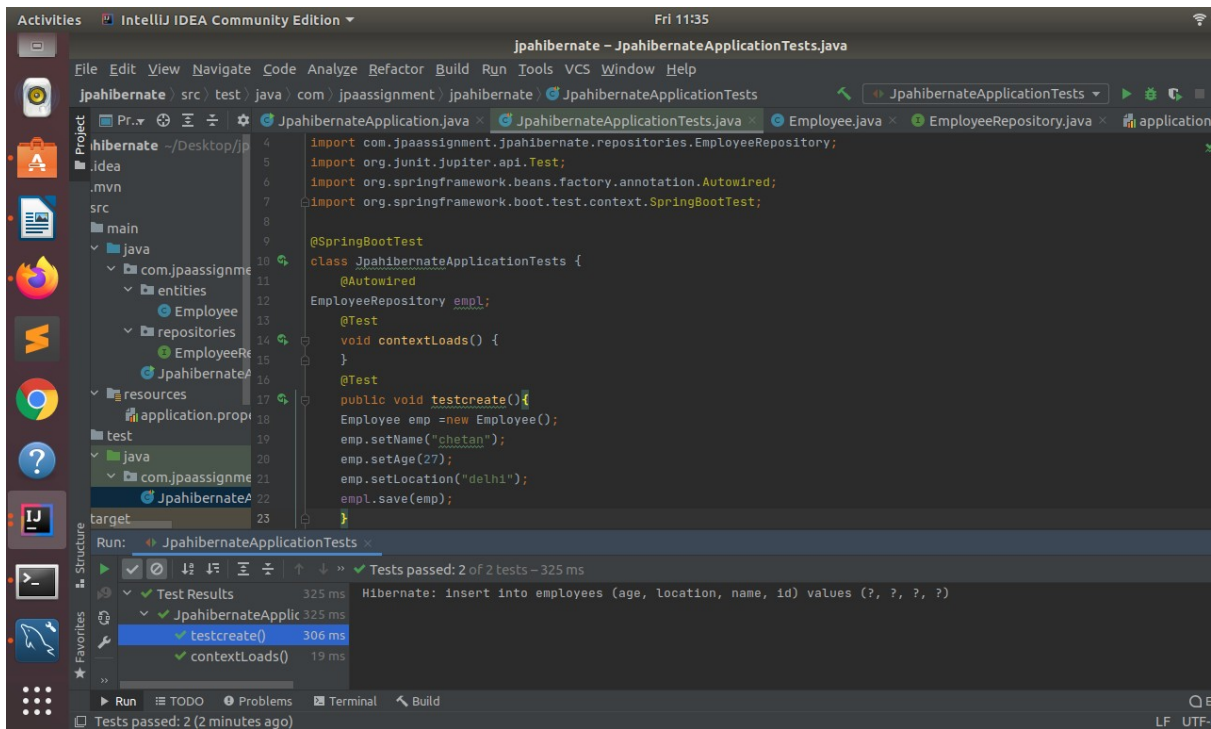
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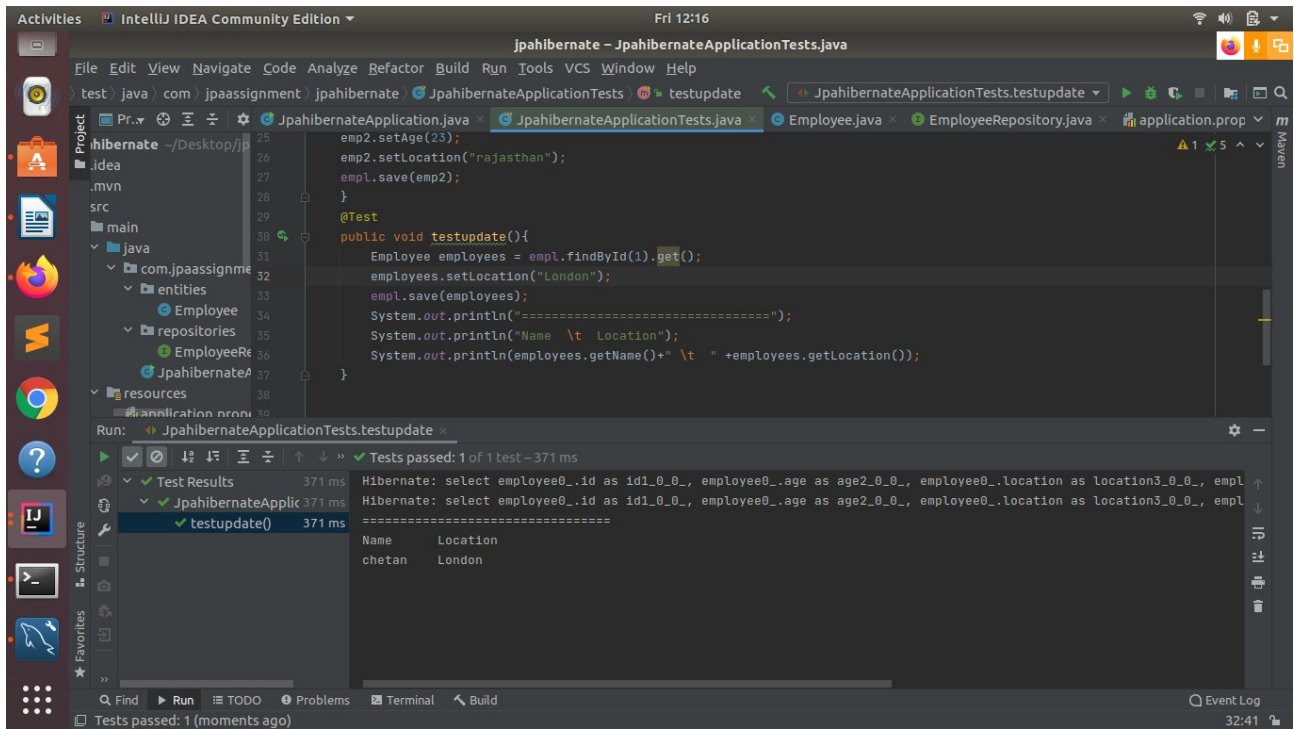
## Q2.Set up EmployeeRepository with Spring Data JPA.



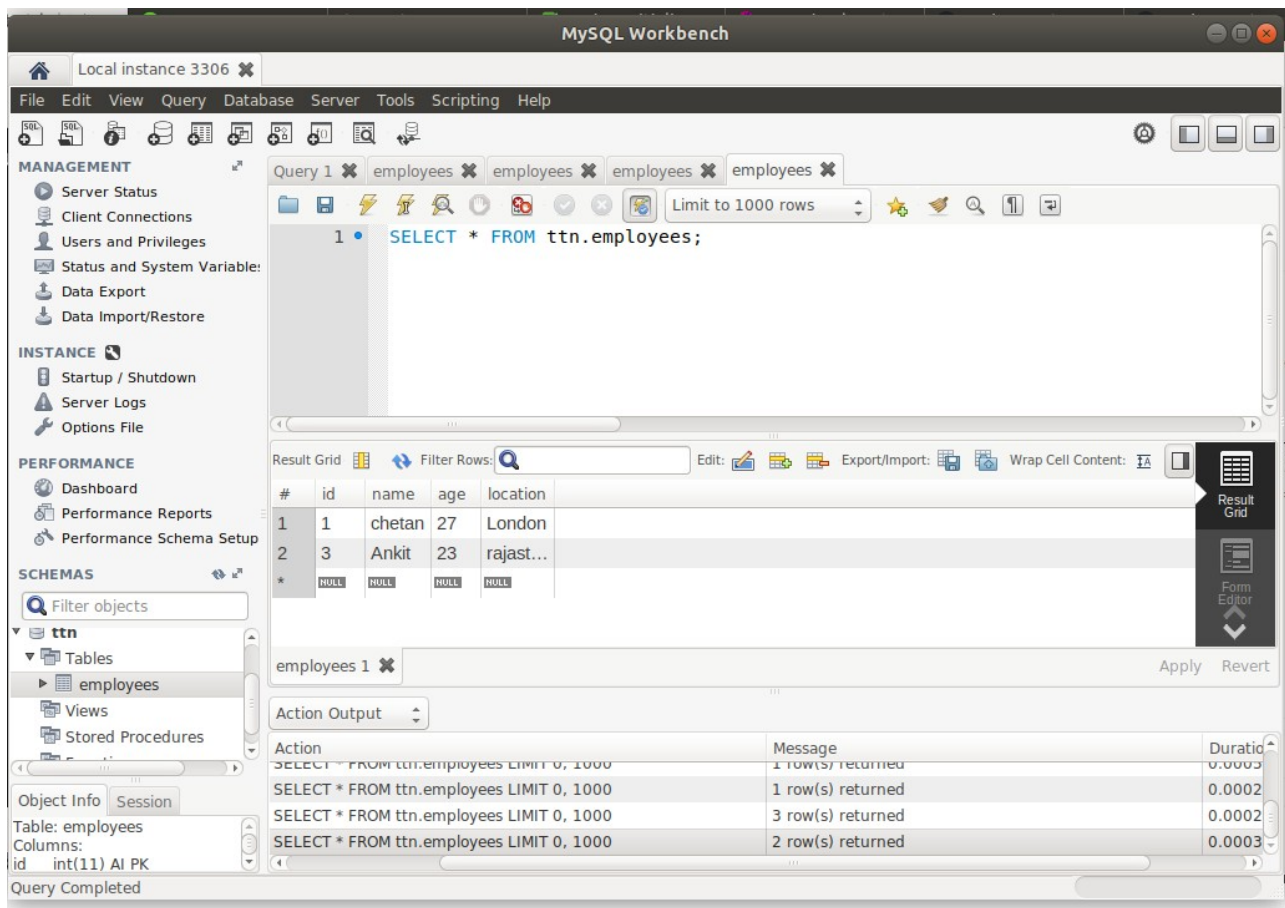
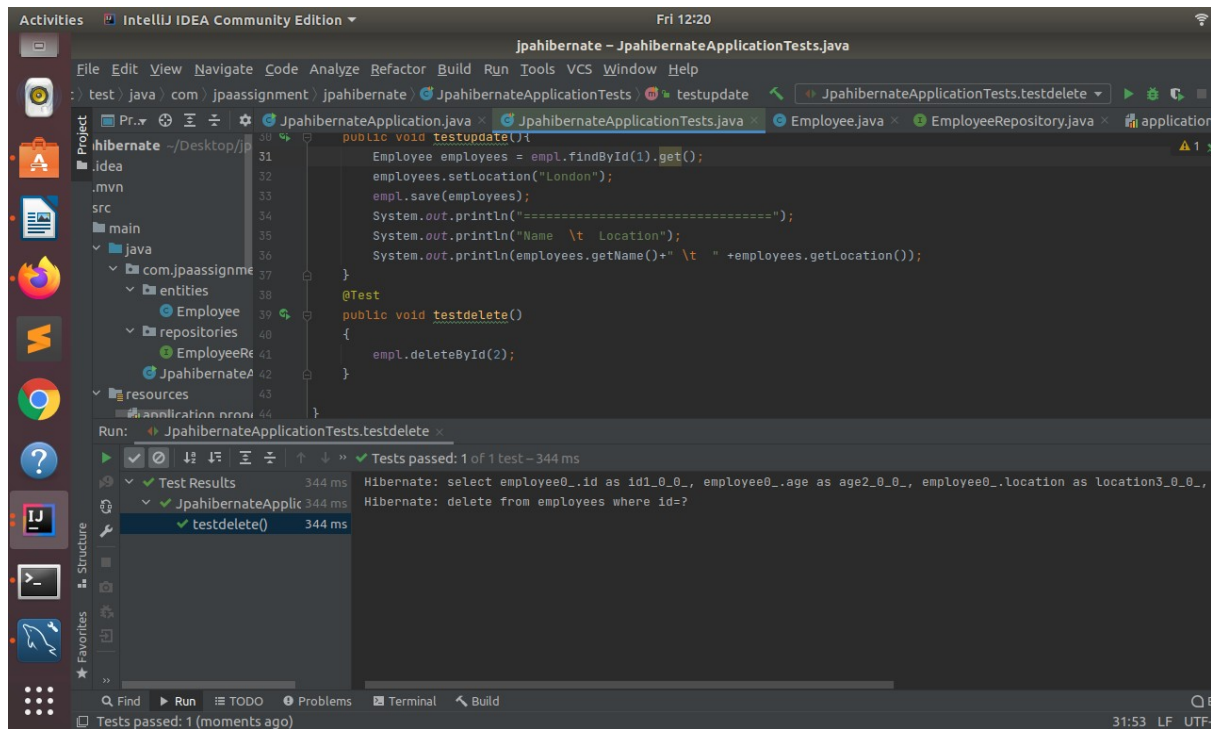
### Q3.Perform Create Operation on Entity using Spring Data JPA.



#### Q4.Perform Update Operation on Entity using Spring Data JPA.

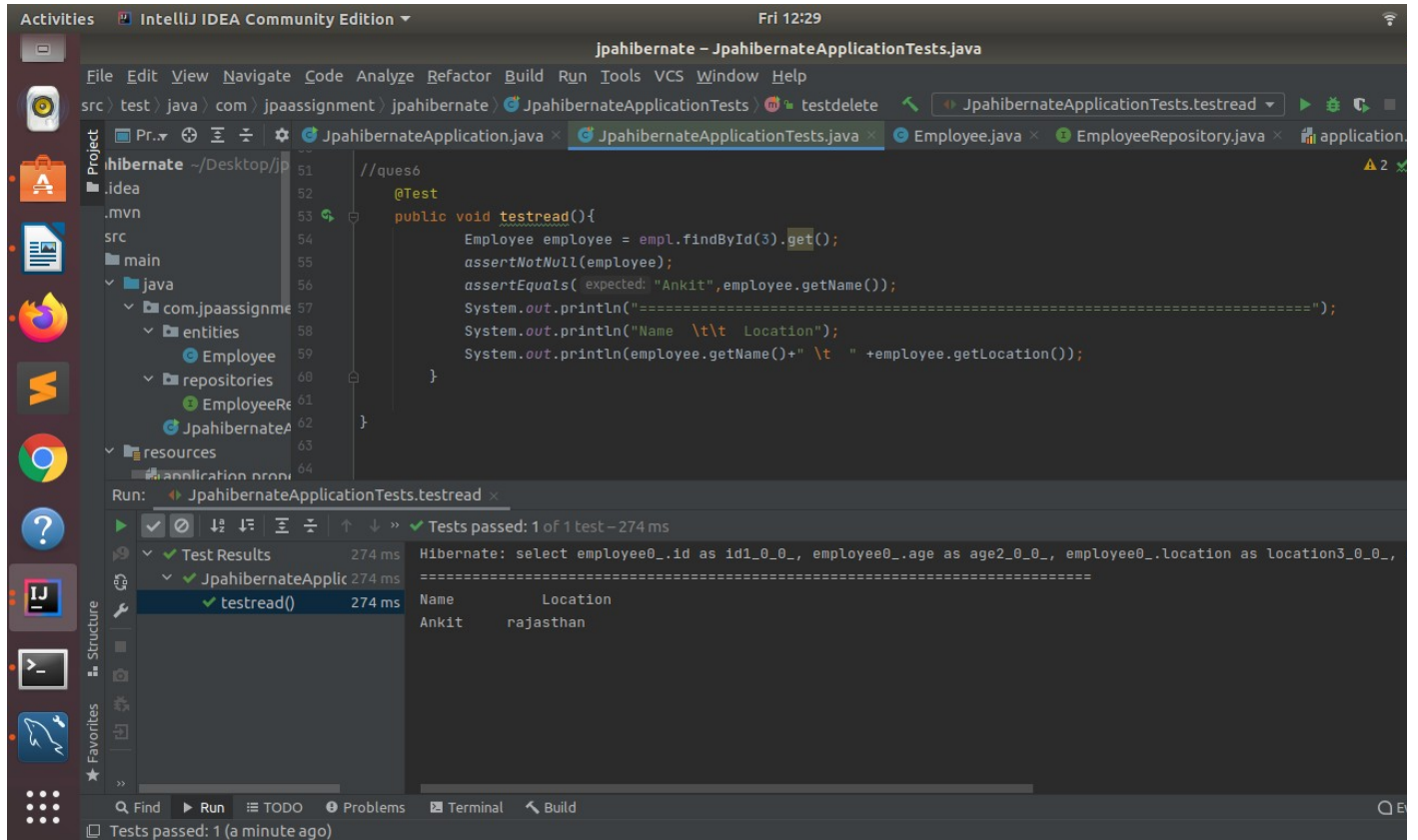


## Q5.Perform Delete Operation on Entity using Spring Data JPA.

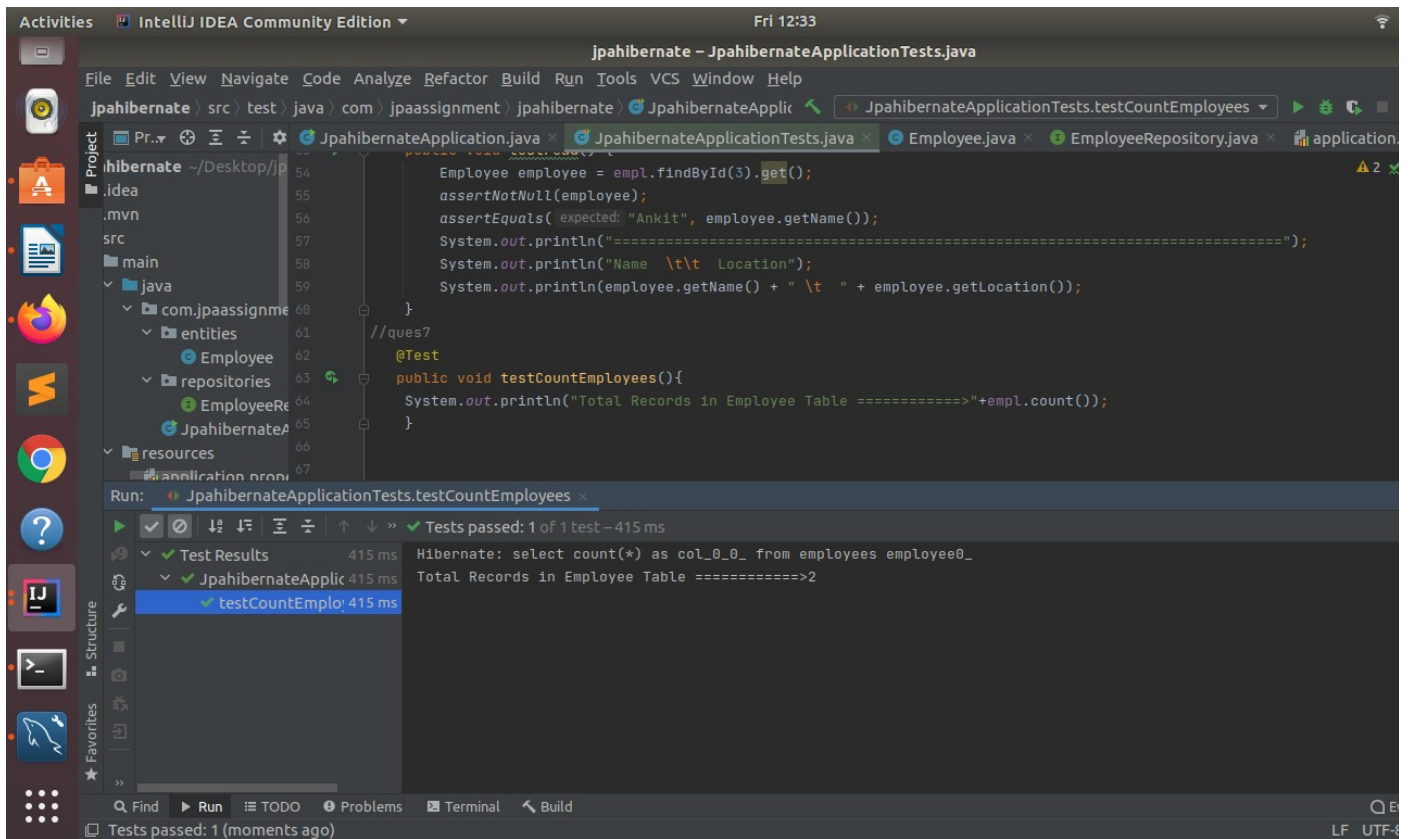




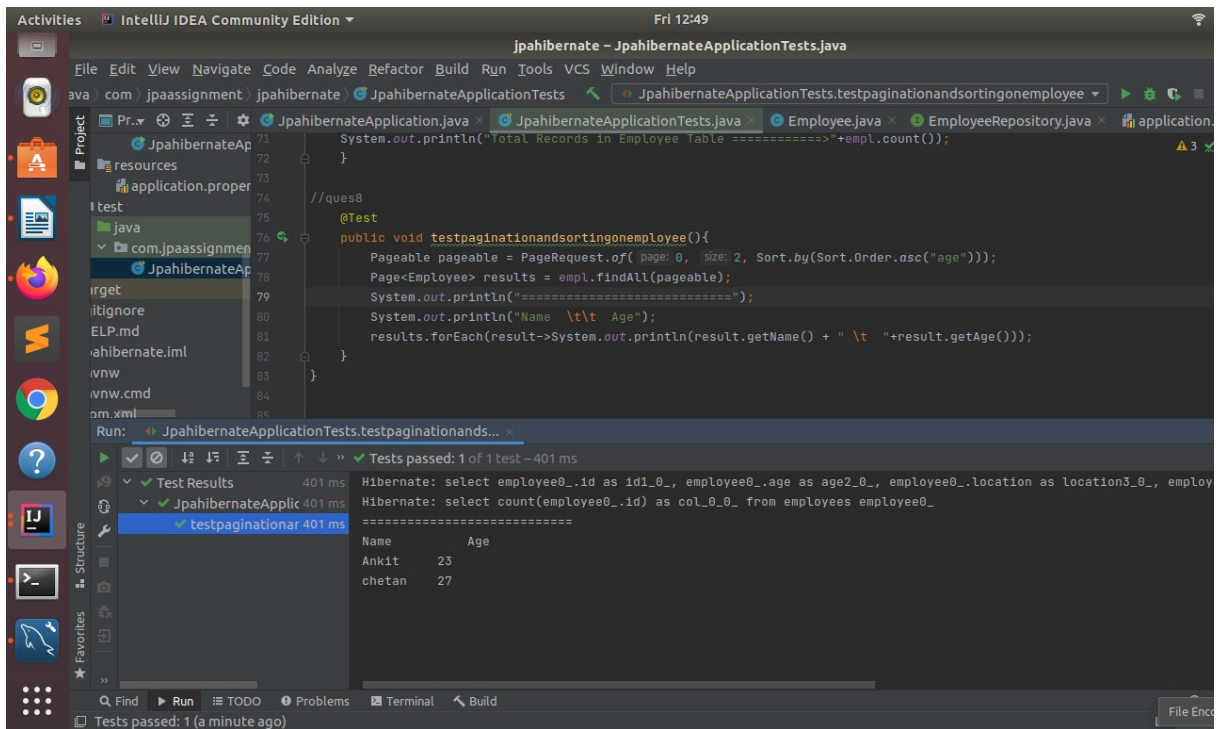
Q6.Perform Read Operation on Entity using Spring Data JPA.



Q7. Get the total count of the number of Employees.

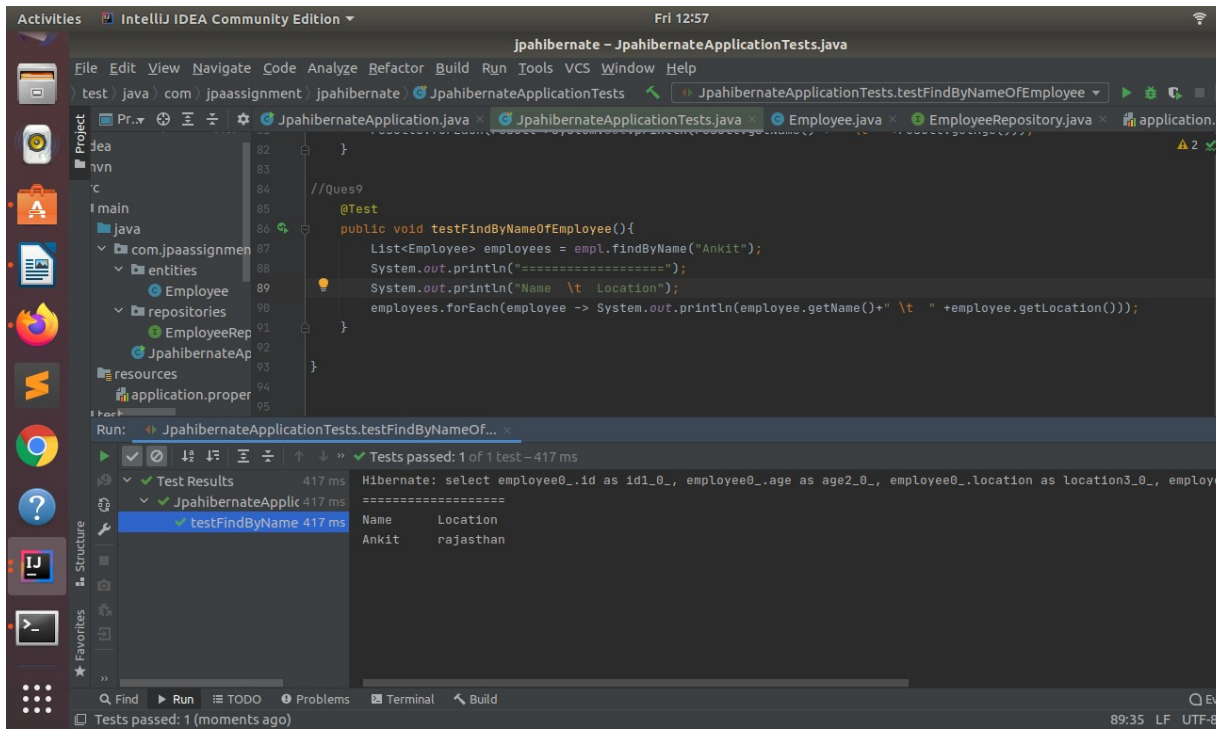


## Q8.Implement Pagination and Sorting on the bases of Employee Age.





Q9.Create and use finder to find Employee by Name.



Q10.Create and use finder to find Employees starting with A character.

The screenshot displays the IntelliJ IDEA Community Edition interface. The main editor window shows the file `JpahibernateApplicationTests.java` with the following code:

```
//Ques 10
@Test
public void testFindByNameThatStartsWithAOfEmployee(){
    List<Employee> employees = empl.findByNameLike("A%");
    System.out.println("=====");
    System.out.println("Name \t Location");
    employees.forEach(employee -> System.out.println(employee.getName()+" \t " +employee.getLocation()));
}
```

The Run window at the bottom shows the test results for `testFindByName`, which passed in 428 ms. The output of the test is as follows:

```
Hibernate: select employee0_.id as id1_0_, employee0_.age as age2_0_, employee0_.location as location3_0_, empl
=====
Name      Location
Ankit     rajasthan
```

The status bar at the bottom indicates "Tests passed: 1 (moments ago)".

Q11. Create and use finder to find Employees Between the age of 28 to 32.

