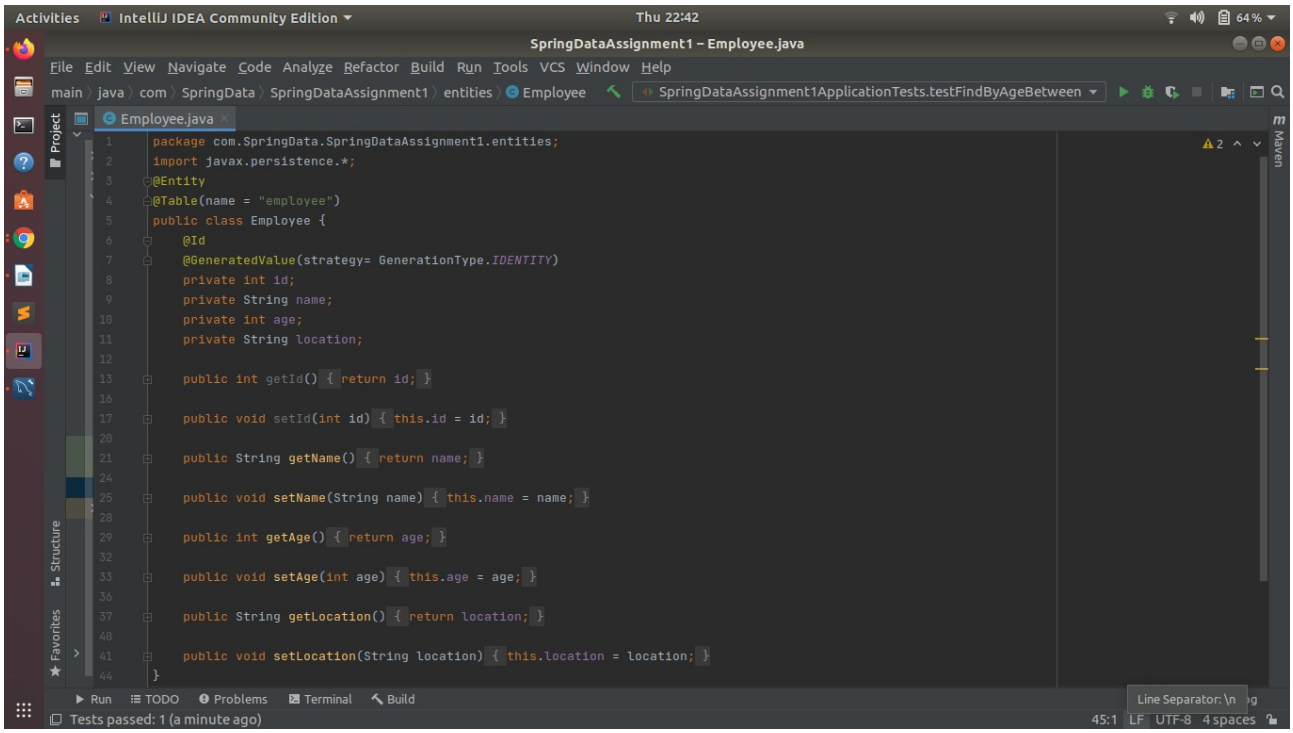
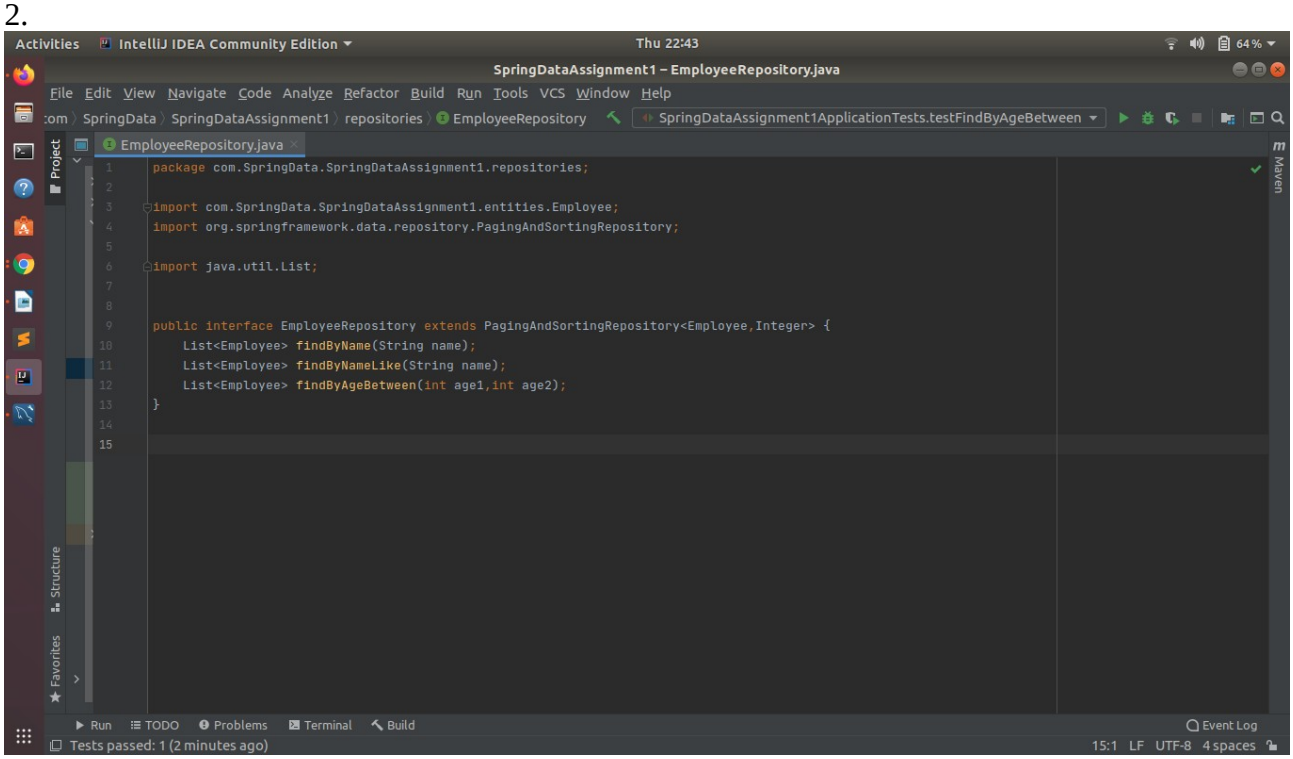
Spring Data JPA with Hibernate Part 1

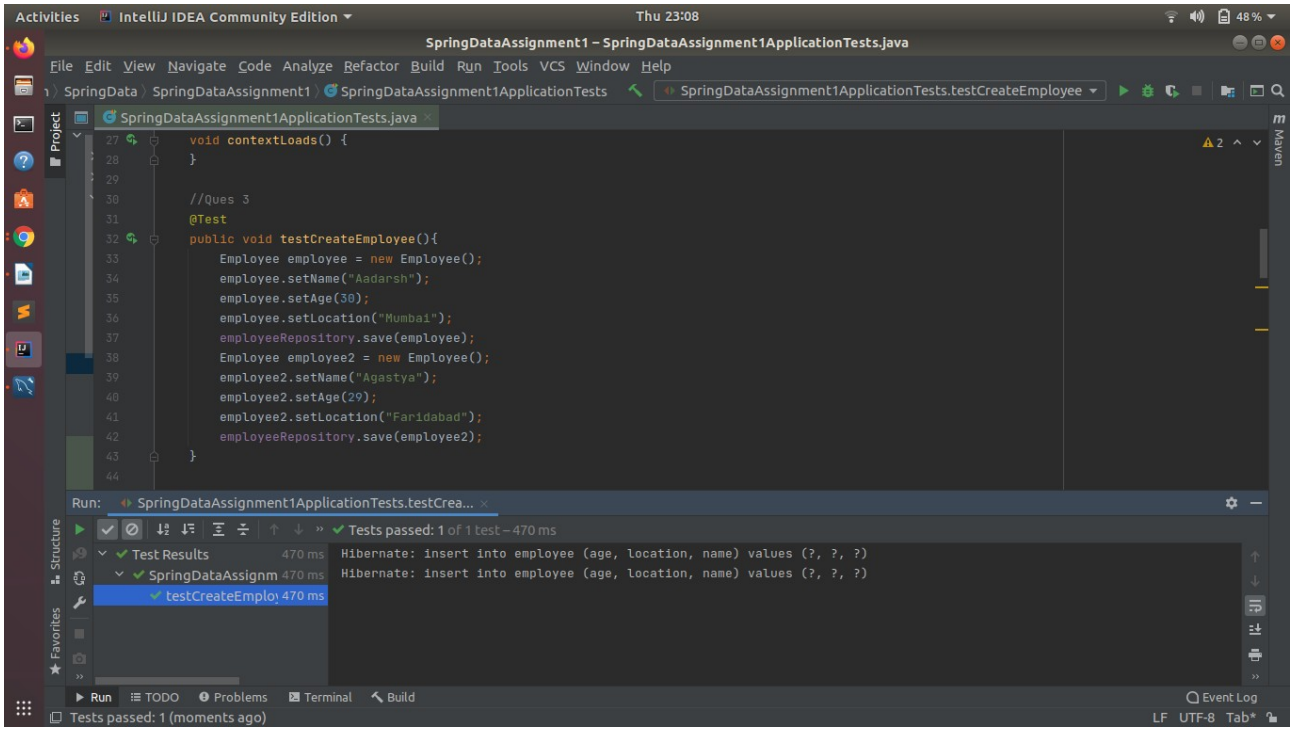
1.



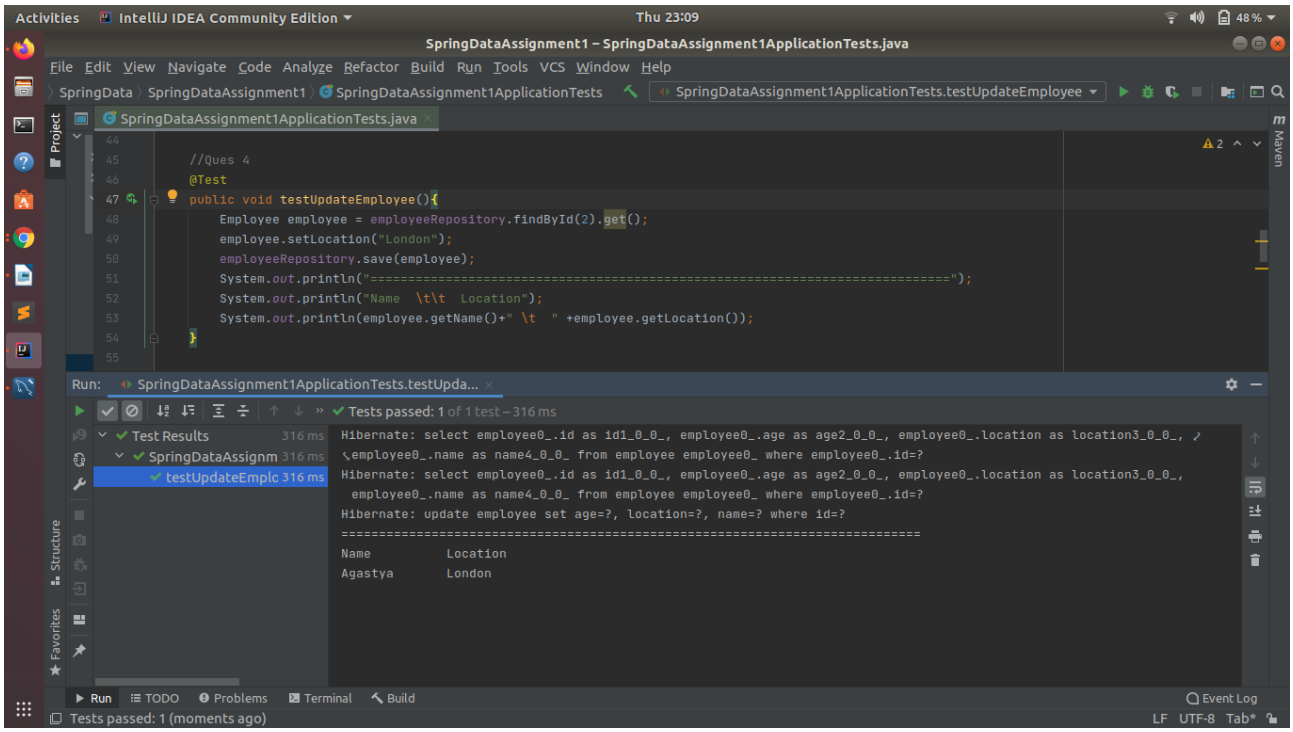
2.



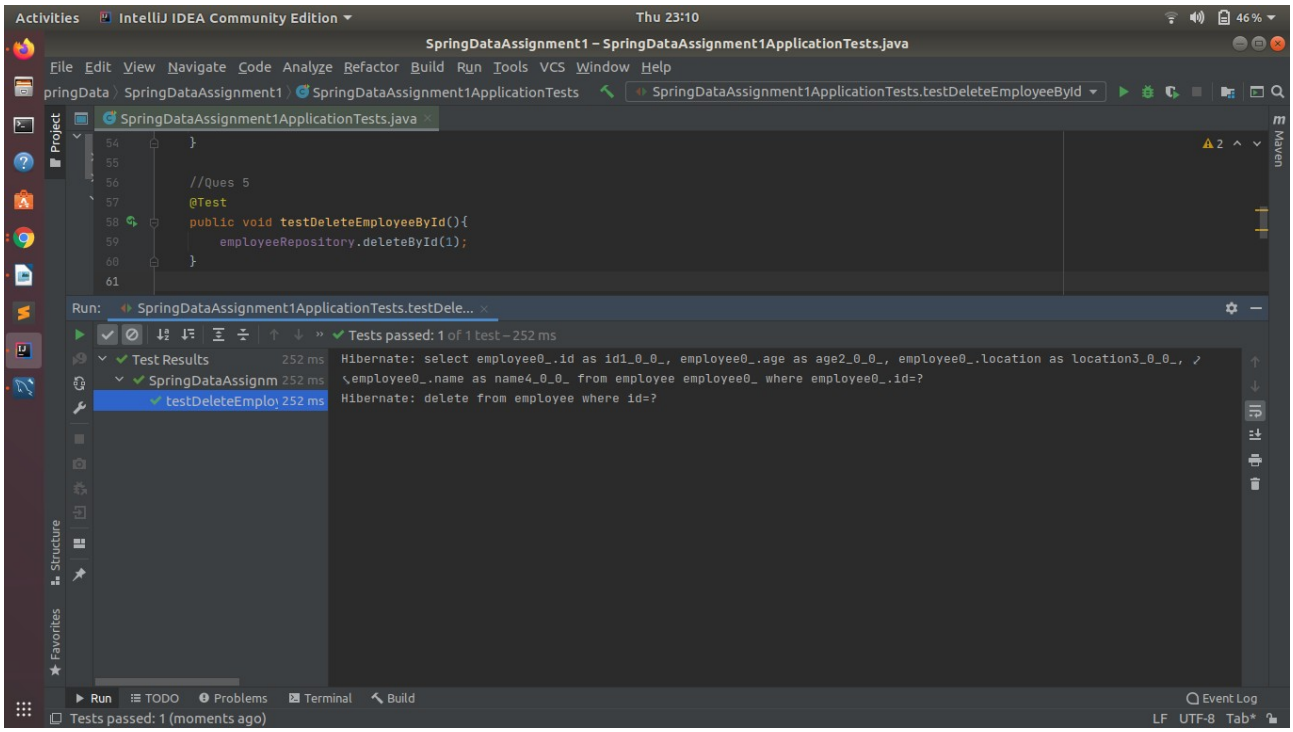
3.


SpringDataAssignment1 – SpringDataAssignment1ApplicationTests.java
SpringDataAssignment1ApplicationTests.java
void contextLoads() {
}
//Ques 3
@Test
public void testCreateEmployee(){
Employee employee = new Employee();
employee.setName("Aadarsh");
employee.setAge(30);
employee.setLocation("Mumbai");
employeeRepository.save(employee);
Employee employee2 = new Employee();
employee2.setName("Agastya");
employee2.setAge(29);
employee2.setLocation("Faridabad");
employeeRepository.save(employee2);
}
Run: SpringDataAssignment1ApplicationTests.testCrea...
Tests passed: 1 of 1 test – 470 ms
Test Results 470 ms
SpringDataAssignm 470 ms
testCreateEmplo 470 ms
Hibernate: insert into employee (age, location, name) values (?, ?, ?)
Hibernate: insert into employee (age, location, name) values (?, ?, ?)
Tests passed: 1 (moments ago)

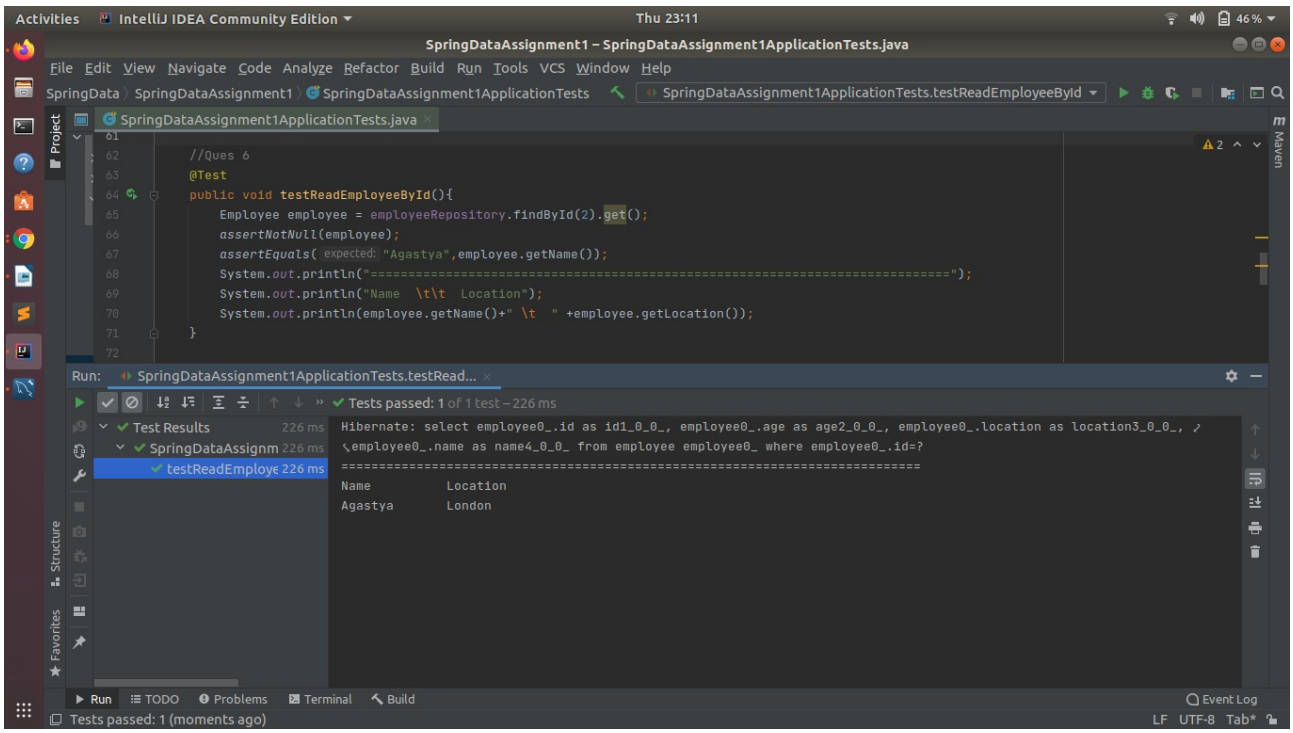
4.


SpringDataAssignment1 – SpringDataAssignment1ApplicationTests.java
SpringDataAssignment1ApplicationTests.java
//Ques 4
@Test
public void testUpdateEmployee(){
Employee employee = employeeRepository.findById(2).get();
employee.setLocation("London");
employeeRepository.save(employee);
System.out.println("==");
System.out.println("Name \t\t Location");
System.out.println(employee.getName()+" \t " +employee.getLocation());
}
Run: SpringDataAssignment1ApplicationTests.testUpda...
Tests passed: 1 of 1 test – 316 ms
Test Results 316 ms
SpringDataAssignm 316 ms
testUpdateEmplo 316 ms
Hibernate: select employee0_.id as id1_0_0_, employee0_.age as age2_0_0_, employee0_.location as location3_0_0_,
employee0_.name as name4_0_0_ from employee employee0_ where employee0_.id=?
Hibernate: select employee0_.id as id1_0_0_, employee0_.age as age2_0_0_, employee0_.location as location3_0_0_,
employee0_.name as name4_0_0_ from employee employee0_ where employee0_.id=?
Hibernate: update employee set age=?, location=?, name=? where id=?
==
Name Location
Agastya London
Tests passed: 1 (moments ago)

5.


Activities
IntelliJ IDEA Community Edition
Thu 23:10
46 %
SpringDataAssignment1 – SpringDataAssignment1ApplicationTests.java
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
SpringDataAssignment1ApplicationTests.testDeleteEmployeeById
SpringDataAssignment1ApplicationTests.java
//Ques 5
@Test
public void testDeleteEmployeeById(){
employeeRepository.deleteById(1);
}
Run: SpringDataAssignment1ApplicationTests.testDele...
Tests passed: 1 of 1 test – 252 ms
Test Results 252 ms
SpringDataAssignm 252 ms
testDeleteEmplo 252 ms
Hibernate: select employee0_.id as id1_0_0_, employee0_.age as age2_0_0_, employee0_.location as location3_0_0_, employee0_.name as name4_0_0_ from employee employee0_ where employee0_.id=?
Hibernate: delete from employee where id=?
Run TODO Problems Terminal Build
Event Log
Tests passed: 1 (moments ago)
LF UTF-8 Tab*

6.


Activities
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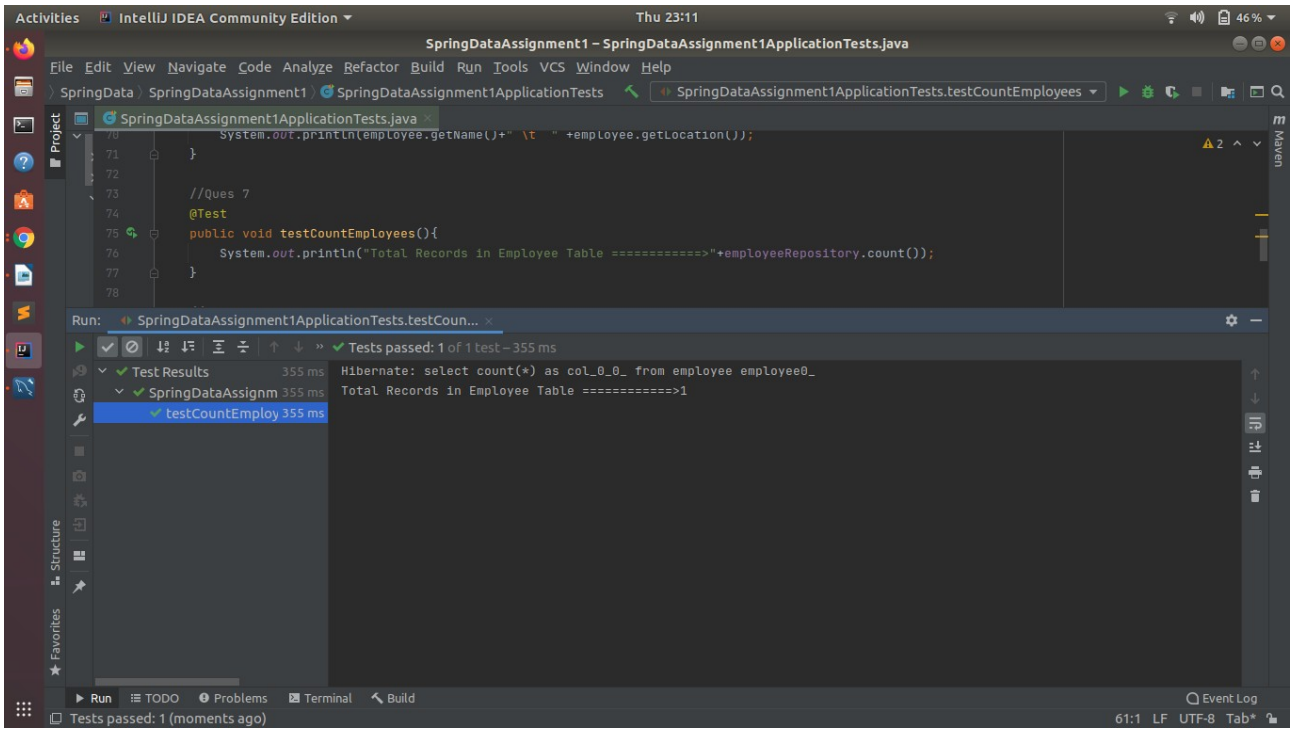
SpringDataAssignment1 – SpringDataAssignment1ApplicationTests.java
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
SpringDataAssignment1ApplicationTests.testReadEmployeeById
SpringDataAssignment1ApplicationTests.java
//Ques 6
@Test
public void testReadEmployeeById(){
Employee employee = employeeRepository.findById(2).get();
assertNotNull(employee);
assertEquals(expected: "Agastya",employee.getName());
System.out.println("==========");
System.out.println("Name \t\t Location");
System.out.println(employee.getName()+" \t " +employee.getLocation());
}
Run: SpringDataAssignment1ApplicationTests.testRead...
Tests passed: 1 of 1 test – 226 ms
Test Results 226 ms
SpringDataAssignm 226 ms
testReadEmploye 226 ms
Hibernate: select employee0_.id as id1_0_0_, employee0_.age as age2_0_0_, employee0_.location as location3_0_0_, employee0_.name as name4_0_0_ from employee employee0_ where employee0_.id=?
==========
Name Location
Agastya London
Run TODO Problems Terminal Build
Event Log
Tests passed: 1 (moments ago)
LF UTF-8 Tab*

7.


Activities
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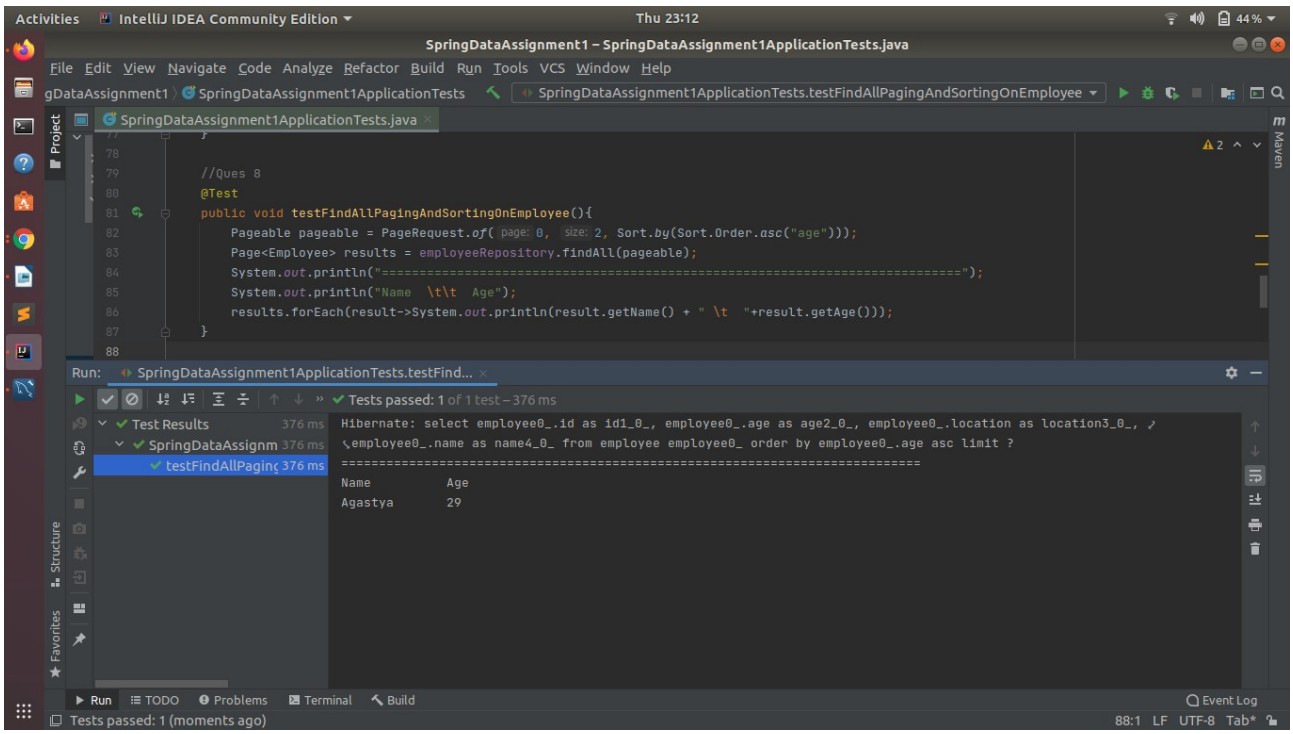
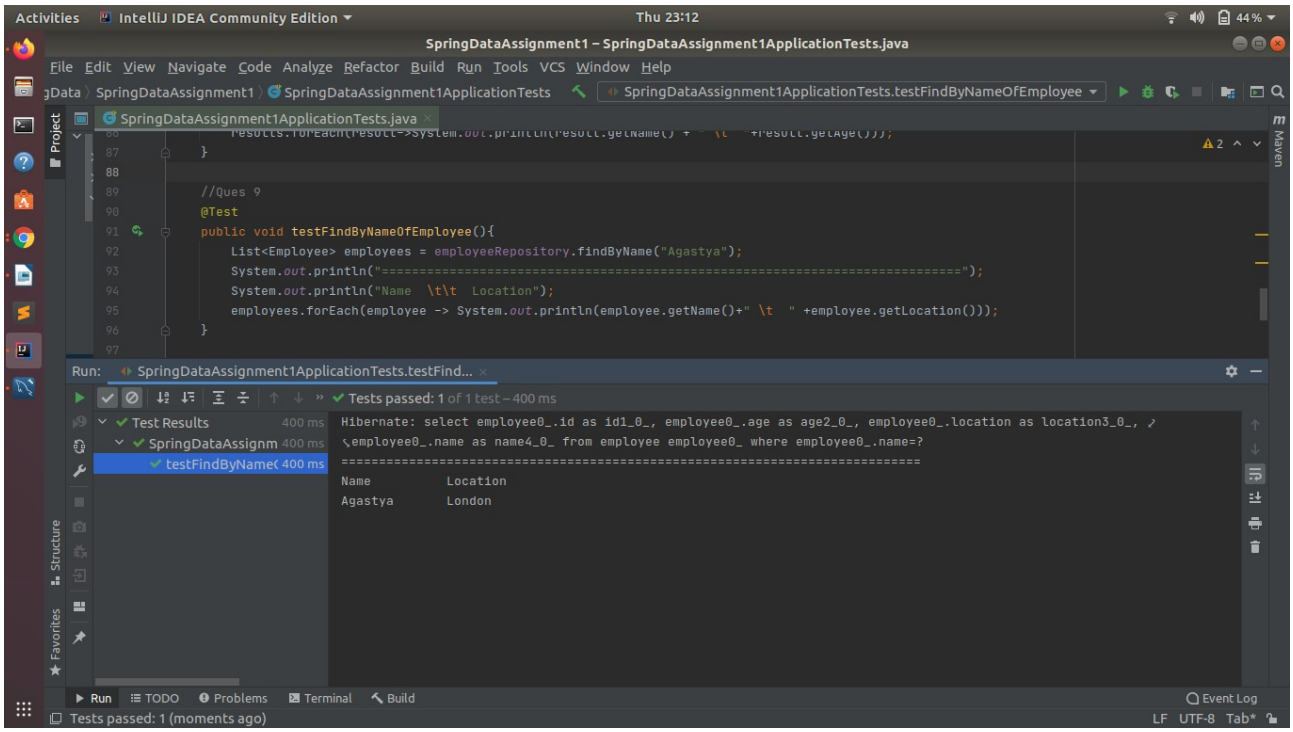
SpringDataAssignment1 – SpringDataAssignment1ApplicationTests.java
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
SpringData SpringDataAssignment1 SpringDataAssignment1ApplicationTests
SpringDataAssignment1ApplicationTests.testCountEmployees
SpringDataAssignment1ApplicationTests.java
System.out.println(employee.getName()+" \t " +employee.getLocation());
}
//Ques 7
@Test
public void testCountEmployees(){
System.out.println("Total Records in Employee Table ============>"+employeeRepository.count());
}
Run: SpringDataAssignment1ApplicationTests.testCoun...
Tests passed: 1 of 1 test – 355 ms
Test Results 355 ms
SpringDataAssignm 355 ms
testCountEmploy 355 ms
Hibernate: select count(*) as col_0_0_ from employee employee0_
Total Records in Employee Table ============>1
Run TODO Problems Terminal Build
Event Log
Tests passed: 1 (moments ago)
61:1 LF UTF-8 Tab*

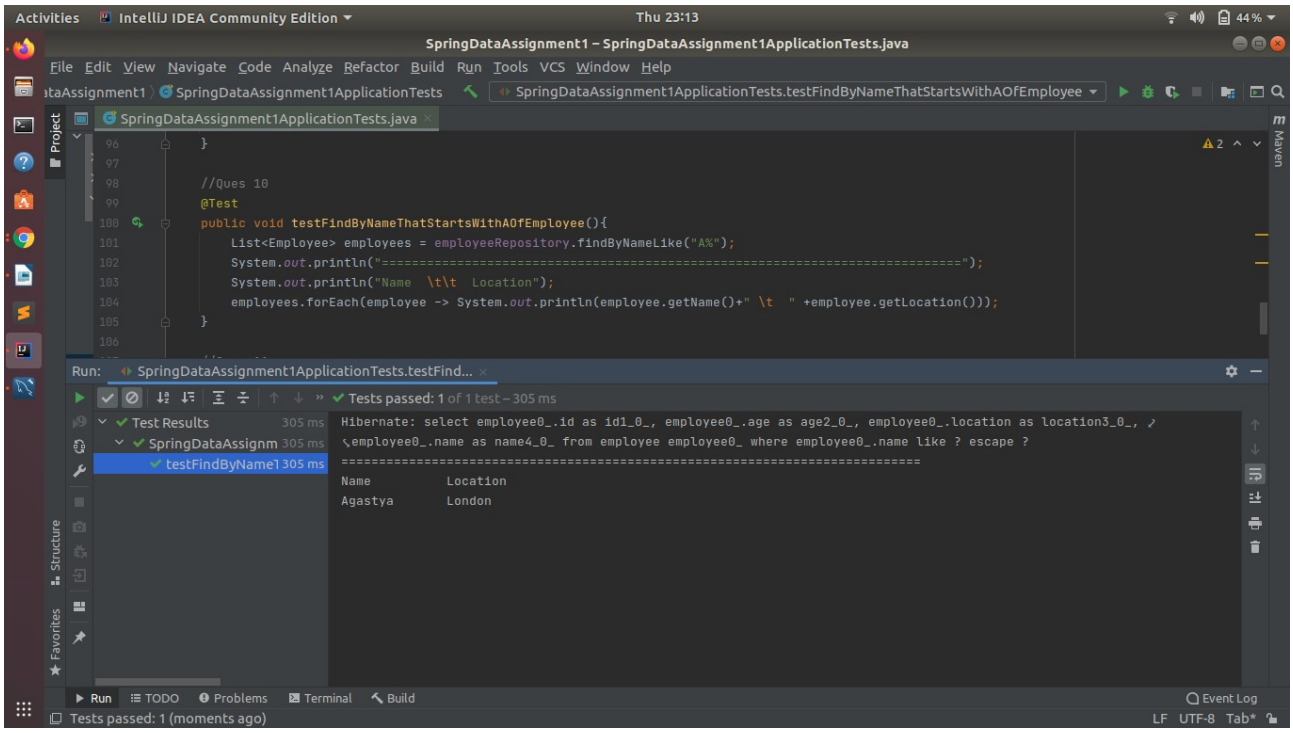
8.


Activities
IntelliJ IDEA Community Edition
Thu 23:12
SpringDataAssignment1 – SpringDataAssignment1ApplicationTests.java
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
SpringDataAssignment1ApplicationTests.testFindAllPagingAndSortingOnEmployee
SpringDataAssignment1ApplicationTests.java
//Ques 8
@Test
public void testFindAllPagingAndSortingOnEmployee(){
Pageable pageable = PageRequest.of(page: 0, size: 2, Sort.by(Sort.Order.asc("age")));
Page<Employee> results = employeeRepository.findAll(pageable);
System.out.println("==");
System.out.println("Name \t\t Age");
results.forEach(result->System.out.println(result.getName() + " \t "+result.getAge()));
}
Run: SpringDataAssignment1ApplicationTests.testFind...
Tests passed: 1 of 1 test – 376 ms
Test Results 376 ms
SpringDataAssignm 376 ms
testFindAllPaging 376 ms
Hibernate: select employee0_.id as id1_0_, employee0_.age as age2_0_, employee0_.location as location3_0_,
employee0_.name as name4_0_ from employee employee0_ order by employee0_.age asc limit ?
==
Name Age
Agastya 29
Run TODO Problems Terminal Build
Event Log
Tests passed: 1 (moments ago)
88:1 LF UTF-8 Tab*

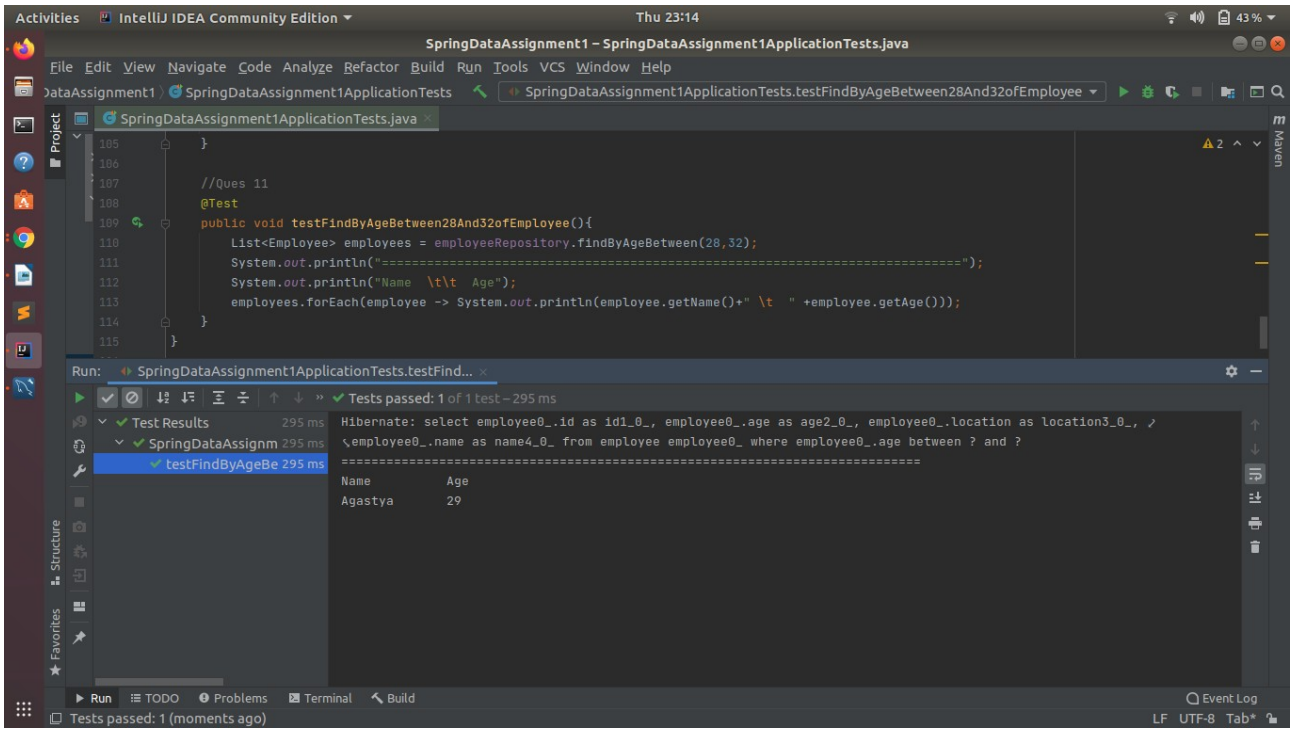
9.


Activities
IntelliJ IDEA Community Edition
Thu 23:12
SpringDataAssignment1 – SpringDataAssignment1ApplicationTests.java
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
SpringDataAssignment1ApplicationTests.testFindByNameOfEmployee
SpringDataAssignment1ApplicationTests.java
//Ques 9
@Test
public void testFindByNameOfEmployee(){
List<Employee> employees = employeeRepository.findByName("Agastya");
System.out.println("==");
System.out.println("Name \t\t Location");
employees.forEach(employee -> System.out.println(employee.getName()+" \t " +employee.getLocation()));
}
Run: SpringDataAssignment1ApplicationTests.testFind...
Tests passed: 1 of 1 test – 400 ms
Test Results 400 ms
SpringDataAssignm 400 ms
testFindByName(400 ms
Hibernate: select employee0_.id as id1_0_, employee0_.age as age2_0_, employee0_.location as location3_0_,
employee0_.name as name4_0_ from employee employee0_ where employee0_.name=?
==
Name Location
Agastya London
Run TODO Problems Terminal Build
Event Log
Tests passed: 1 (moments ago)
LF UTF-8 Tab*

10.


Activities
IntelliJ IDEA Community Edition
Thu 23:13
SpringDataAssignment1 – SpringDataAssignment1ApplicationTests.java
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
SpringDataAssignment1ApplicationTests.testFindByNameThatStartsWithAOfEmployee
SpringDataAssignment1ApplicationTests.java
//Ques 10
@Test
public void testFindByNameThatStartsWithAOfEmployee(){
List<Employee> employees = employeeRepository.findByNameLike("A%");
System.out.println("==");
System.out.println("Name \t\t Location");
employees.forEach(employee -> System.out.println(employee.getName()+" \t " +employee.getLocation()));
}
Run: SpringDataAssignment1ApplicationTests.testFind...
Tests passed: 1 of 1 test – 305 ms
Test Results 305 ms
SpringDataAssignm 305 ms
testFindByNameT 305 ms
Hibernate: select employee0_.id as id1_0_, employee0_.age as age2_0_, employee0_.location as location3_0_,
employee0_.name as name4_0_ from employee employee0_ where employee0_.name like ? escape ?
==
Name Location
Agastya London
Run TODO Problems Terminal Build
Event Log
Tests passed: 1 (moments ago)
LF UTF-8 Tab*

11.


Activities
IntelliJ IDEA Community Edition
Thu 23:14
SpringDataAssignment1 – SpringDataAssignment1ApplicationTests.java
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
SpringDataAssignment1ApplicationTests.java
105 }
106
107 //Ques 11
108 @Test
109 public void testFindByAgeBetween28And32ofEmployee(){
110 List<Employee> employees = employeeRepository.findByAgeBetween(28,32);
111 System.out.println("==");
112 System.out.println("Name \t\t Age");
113 employees.forEach(employee -> System.out.println(employee.getName()+" \t " +employee.getAge()));
114 }
115 }
Run: SpringDataAssignment1ApplicationTests.testFind...
Tests passed: 1 of 1 test – 295 ms
Test Results 295 ms
SpringDataAssignm 295 ms
testFindByAgeBe 295 ms
Hibernate: select employee0_.id as id1_0_, employee0_.age as age2_0_, employee0_.location as location3_0_,
employee0_.name as name4_0_ from employee employee0_ where employee0_.age between ? and ?
==
Name Age
Agastya 29
Run TODO Problems Terminal Build Event Log
Tests passed: 1 (moments ago)
LF UTF-8 Tab*