**Relationship Mapping:**

* Open Demos>Spring Boot>relationships in IntelliJ and navigate to src>main>java>com.demos.relationships
* Show students that the Course, Student, Teacher, and CourseMaterial classes are simple entities with no relationships
* Open Teacher and annotate the course List with @OneToMany with the mappedBy parameter set to teacher
* In Course, annotate teacher with @ManyToOne
* Run the program and open workbench to show the created tables
  + The course table should have columns for id, title, and teacher\_id which is a foreign key to the teacher table’s id
* In CourseMaterial uncomment the course field and annotate it with @OneToOne
* In Course, uncomment the courseMaterial field and annotate it with @OneToOne and map it to course
* Run the program and open workbench to show the tables
  + The course\_material table should now have columns for id, url, and course\_id which is a foreign key to the course table’s id
* In Course, uncomment the students list field and annotate it with @ManyToMany and @JoinTable
  + @JoinTable should include the parameters to name the join table, the course foreign key, and the student foreign key
* In Student, annotate the courses list with @ManyToMany and include the mappedBy parameter set to students
* Run the program and open workbench to show the created tables
  + There should be a new join table with the name provided which holds foreign keys for students and courses