Lab 2.5

Posting data to the Repository

JpaRepository extends CrudRespository that has the method Entity save(Entity). How can we trigger this method against our StudentRepository?

In the class StudentController lets add a POST endpoint;

First of all, inject the repository into the RestController

@Inject private StudentRepository studentRepository;

Then implement the @PostMapoping endpoint as below. Note, the save method on the repository and in true Rest Specification style we return a location header that gives the url to the "new" Student entity

```
@PostMapping
public ResponseEntity<String> add(@RequestBody Student student){
    studentRepository.save(student);
    return ResponseEntity.accepted().header("location", "/student/"+
    student.getId()).build();
}
```

Lab 2.5

Java Client – Post and Retrieve

In the lab setup directory for this lab, you have a new test class, StudentControllerRestTemplateTest, to copy into your src/test/java package com.student.service package

This class uses the RestTempate class to invoke an endpoint on a running service to post a new entity to our @PostMapping endpoint and then using the location header returned from this interaction perform a GET to retrieve the new Entity

Relaunch your Spring Boot Application. Then run the test class as a normal JUnit. Your console output shows the retrieved data with an id for the first time. ou can also use your Angular client app to verify the insert