**\*\*\*\*\*\*\* With Out DataBase CRUD SpringBoot \*\*\*\*\*\*\***

**@RestController**

**public class StudentController {**

**ArrayList<Student> al = new ArrayList<>();**

**public StudentController() {**

**al.add(new Student(1, "Gopal1"));**

**al.add(new Student(2, "Gopal2"));**

**al.add(new Student(3, "Gopal3"));**

**}**

**@GetMapping("AllData")**

**ArrayList<Student> show() {**

**return al;**

**}**

**@GetMapping("single/{id}")**

**Student singleRecord(@PathVariable int id) {**

**Student ss = new Student();**

**for (Student student : al) {**

**if (student.id == id) {**

**ss = student;**

**}**

**}**

**return ss;**

**}**

**@PostMapping("insert")**

**ArrayList<Student> insert(@RequestBody Student student) {**

**al.add(student);**

**return al;**

**}**

**@PutMapping("update")**

**ArrayList<Student> update(@RequestBody Student student) {**

**Student s = new Student();**

**for (Student ss : al) {**

**if (ss.id == student.id) {**

**s = ss;**

**}**

**}**

**s.setId(student.id);**

**s.setName(student.name);**

**return al;**

**}**

**@DeleteMapping("delete/{id}")**

**ArrayList<Student> delete(@PathVariable int id) {**

**Student ss = new Student();**

**for (Student student : al) {**

**if (student.id == id) {**

**ss = student;**

**}**

**}**

**al.remove(ss);**

**return al;**

**}**

**}**

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