

***** 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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