

## Lab 5

### **Q1 : Create Spring program with request on the following endpoints :**

Create a controller called studentController with the following endpoints.

- GET /name : return name of student
- GET /age : return age of student
- GET / college/degree: return bachelor or diploma or master
- GET / study/status: return true if graduated and false if ungraduated
- GET /students : return array of students

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### **Q2 : Create project tracker system , Where you can get all the project , add , remove , update project.**

project Class : ID , title , description , status, companyName

- Create a new project (ID,title , description , status, companyName)
- Display all project .
- Update a project
- Delete a project
- Change the project status as done or not done
- Search for a project by given title
- Display All project for one company by companyName.

**Q3 : Create event system , where you can get all the event , add , remove , update event.**

event Class : ID , description , capacity, startDate , endDate

- Create a new event (ID , description , capacity, startDate , endDate)
- Display all event .
- Update a event
- Delete a event
- Change capacity
- Search for a event by given id

Hint ( use @JsonFormat(pattern="yyyy-MM-dd") and LocalDateTime )