CRUID operation in normal postman

1. Student.java

```
package com.example.StudentExample.Model;
import jakarta.persistence.Id;
    public void setRegno(int regno) {
       this.regno = regno;
    public void setMarks(int marks) {
```

2. studentController

```
package com.example.StudentExample.Controller;
import com.example.StudentExample.Model.Student;
import com.example.StudentExample.Service.StudentService;
import org.springframework.beans.factory.annotation.Autowired;
```

```
import org.springframework.web.bind.annotation.*;

import java.util.List;

@RestController
public class StudentController {
    @Autowired
    StudentService service;
    @GetMapping("/students")
    public List<Student> getAllStudentDetails() {
        return service.getAllStudentS();
    }

    @GetMapping("students/{stid}")
    public Student getStudentById(@PathVariable int stid) {
        return service.getStudentById(stid);
    }

    @PostMapping("/students")
    public void addStudents(@RequestBody Student s) {
        service.addStudent(s);
    }

    @PutMapping("/students")
    public void updateStudent(@RequestBody Student s) {
        service.updateStudent(s);
    }

    @DeleteMapping("/students/{sid}")
    public void deleteStudentById(@PathVariable int sid) {
        service.deleteStudentById(gid);
    }
}
```

3. StudentService

CRUID operation in h2-console.

1. Application.Properties

spring.application.name=StudentExample spring.datasource.url=jdbc:h2:mem:testdb spring.datasource.driverClasdName=org.h2.Driver spring.jpa.show-sql=true

2. Student.java

```
public void setName (Stelne name)

this.name = name)

public int getMarks() = return marks;

public void setMarks() = return marks;

public void setMarks(int marks) = this.marks = marks;

public Student(int reque, String name, int marks) = this.reque = reque;
this.name = name;
this.marks = marks;

public Student()
```

3. StudentController

```
package com.example.StudentExample.Controller;
import com.example.StudentExample.Model.Student;
import com.example.StudentExample.Service.StudentService;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.*;
import java.util.List;

RestController

public class StudentController {
    @Autowired
    StudentService service;
    @GetMapping("/students")
    public List<Student> getAllStudentDetails() {
        return service.getAllStudents();
    }

    @GetMapping("students/{stid}")
    public Student getStudentById(@PathVariable int stid) {
        return service.getStudentById(stid);
    }

    @PostMapping("/students")
    public void addStudents(@RequestBody Student s) {
        service.addStudent(s);
    }

    @PutMapping("/students")
    public void updateStudent(@RequestBody Student s) {
        service.updateStudent(s);
    }
}
```

```
@DeleteMapping("/students/{sid}")
public void deleteStudentById(@PathVariable int sid) {
    service.deleteStudentById(sid);
}
```

4. StudentRepository.java(interface)

```
com.example.StudentExample.Repository;
import com.example.StudentExample.Model.Student;
import org.springframework.data.jpa.repository.JpaRepository;
import org.springframework.stereotype.Repository;

dRepository
public interface StudentRepository extends JpaRepository<Student,Integer> {
}
```

5. StudentServices.\

```
package com.example.StudentExample.Service;
import com.example.StudentExample.Model.Student;
import com.example.StudentExample.Model.Student;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;
import java.util.ArrayList;
import java.util.ArrayS;
import java.util.List;
@Service
public class StudentService {
    @Autowired
    StudentRepository repo;
    public List<Student> getAllStudents() {
        return repo.findAll();
    }
    public Student getStudentById(int stid) {
        return repo.findById(stid).orElse(new Student());
    }
    public void addStudent(Student s) {
        repo.save(s);
    }
    public void updateStudent(Student s) {
        repo.save(s);
    }
    public void deleteStudentById(int sid) {
        repo.deleteById(sid);
    }
}
```

```
}
}
```

web, devtool h2 lom

CRUID operation in MongoDB.

1.Student.java

```
package com.example.mongoDbInSpringBoot.model;
import org.springframework.data.mongodb.core.mapping.Document;
@Document(collection = "StudentDB")
    public Student(int id, String name, int regono, int sem) {
        this.regono = regono;
       this.regono = regono;
```

2. StudentController.java

```
package com.example.mongoDbInSpringBoot.controller;
import com.example.mongoDbInSpringBoot.model.Student;
import com.example.mongoDbInSpringBoot.repository.StudentRepository;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.*;
import java.util.List;
import java.util.List;
@RestController
@RequestMapping("/Student")
public class StudentController {
  @Autowired
  private StudentRepository studentRepository;
  @PostMapping("/post")
  public String addData(@RequestBody Student student)
    try{
       this.studentRepository.save(student);
       return "data inserted success fully";
    }catch (Exception e){
       return "data not inserted";
    }
  @GetMapping("/data")
  public List<Student> getData() {
    return studentRepository.findAll();
  @DeleteMapping("/delete")
  public String deleteAllData()
    try{
       this.studentRepository.deleteAll();
       return "data delete successfully";
    }catch (Exception e){
       return "data not deleted";
```

```
@DeleteMapping("/{id}")
public String deleteAllData(@PathVariable int id)
{
    try {
        this.studentRepository.deleteById(id);
        return "data deleted success fully";
    }catch (Exception e) {
        return "not deleted data";
    }
}
@PutMapping("/{id}")
public String updateData(@RequestBody Student student,@PathVariable int id) {
    try {
        this.studentRepository.save(student);
        return "data update successfully";
    }catch(Exception e)
    {
        return "data not updated";
    }
}
```

3. StudentRepositroy(in).

```
package com.example.mongoDbInSpringBoot.repository;
import com.example.mongoDbInSpringBoot.model.Student;
import org.springframework.data.mongodb.repository.MongoRepository;
public interface StudentRepository extends
MongoRepository<Student,Integer> {
}
```

4. ApplicationProperties.

```
spring.data.mongoDB.host=localhost
spring.data.mongoDB.port=27017
spring.mongoDB.database=MYDB
```