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Year – 3rd

Current sem – V

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Assignment – 3

CRUD – APPLICATION

1)Application Properties

```
spring.datasource.url=jdbc:mysql://localhost:3306/student_tracker
spring.datasource.username=springstudent
spring.datasource.password=springstudent
spring.main.banner-mode=off
logging.level.root=warn|
```

2)Student class

```
package com.glau.Crud_demo.entity;

import jakarta.persistence.Entity;
import jakarta.persistence.Table;
import jakarta.persistence.*;
7 usages
@Entity
@Table(name="student")

public class student {
3 usages
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    @Column(name="id")
    private int id;

4 usages
    @Column(name="first_name")
    private String firstName;

4 usages
    @Column(name="last_name")
    private String lastName;

4 usages
    @Column(name="email")
    private String email;
```

```

public student(){

}

1 usage
public student(String firstName, String lastName, String email) {
    this.firstName = firstName;
    this.lastName = lastName;
    this.email = email;
}

1 usage
public int getId() {
    return id;
}

public void setId(int id) {
    this.id = id;
}

public String getFirstName() {
    return firstName;
}

public void setFirstName(String firstName) {
    this.firstName = firstName;
}

```

```

public String getLastName() {
    return lastName;
}

public void setLastName(String lastName) {
    this.lastName = lastName;
}

public String getEmail() {
    return email;
}

public void setEmail(String email) {
    this.email = email;
}

@Override
public String toString() {
    return "student{" +
        "id=" + id +
        ", firstName='" + firstName + '\'' +
        ", lastName='" + lastName + '\'' +
        ", email='" + email + '\'' +
        '}';
}

```

3) CrudDemoApplication

```
package com.glaucrud_demo;

import ...

1 usage
@SpringBootApplication
public class CrudDemoApplication {

    public static void main(String[] args) {

        SpringApplication.run(CrudDemoApplication.class, args);
    }

    @Bean
    public CommandLineRunner commandLineRunner(StudentDAO studentDAO){
        return runner->{
            System.out.println("hello world , connection is established");
            createStudent(studentDAO);
        };
    }

    1 usage
    private void createStudent(StudentDAO studentDAO){
        System.out.println("Creating student object...");
        student tempStudent=new
            student( firstName: "vardhan", lastName: "Gupta", email: "Vardhan@gmail.com");


        //Save the student object.
        System.out.println("Saving the student...");
        studentDAO.save(tempStudent);
        System.out.println("Saved Student Generated id is "+tempStudent.getId());
    }
}
```




4)Mysql – Database(OUTPUT)

	id	first_name	last_name	email
✎	1	Divyanshu	Agarwal	Divyanshu@gmail.com
✱	NULL	NULL	NULL	NULL

1 • `SELECT * FROM student_tracker.student;`

Result Grid

 Filter Rows:

Edit:    Export/Import

	id	first_name	last_name	email
✎	1	Divyanshu	Agarwal	Divyanshu@gmail.com
✱	NULL	NULL	NULL	NULL

Result Grid

Form Editor

Field Types

