

1. Rest controllerDemonstrate REST Controller With Simple Example

Student.

```
package com.example.demo24;
```

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

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

```
@RestController
```

```
public class Student{
```

```
    @RequestMapping("/welcome")
```

```
    public String Greet(){
```

```
        return "welcome to sdm college";
```

```
    }
```

```
    @RequestMapping("/bye")
```

```
    public String Bye(){
```

```
        return "thank you for visiting SDM college";
```

```
    }
```

```
}
```

1. Illustrate Setter and Constructor DI's in Spring Boot

teacher.

```
package com.example.demo100;
```

```
import org.springframework.stereotype.Component;
```

```
@Component
```

```
public class Teacher {
```

```
    void Hello()
```

```
    {
```

```
        System.out.println("hello from teacher class");
```

```
    }
```

```
}
```

setter dependency.

```
public class Student{
```

```
    private Teacher teacher;
```

```

@Autowired
public void setTeacher(Teacher teacher)
{
    this.teacher=teacher;
}
public void Greet(){
    teacher.Hello();
    System.out.println("Hello from Student class");
}
}

```

construct.

```

public class Student {
    public Teacher teacher;

    public Student(Teacher teacher) {
        this.teacher = teacher;
    }

    public void Greet() {
        teacher.Hello();
        System.out.println("hello from student");
    }
}

```