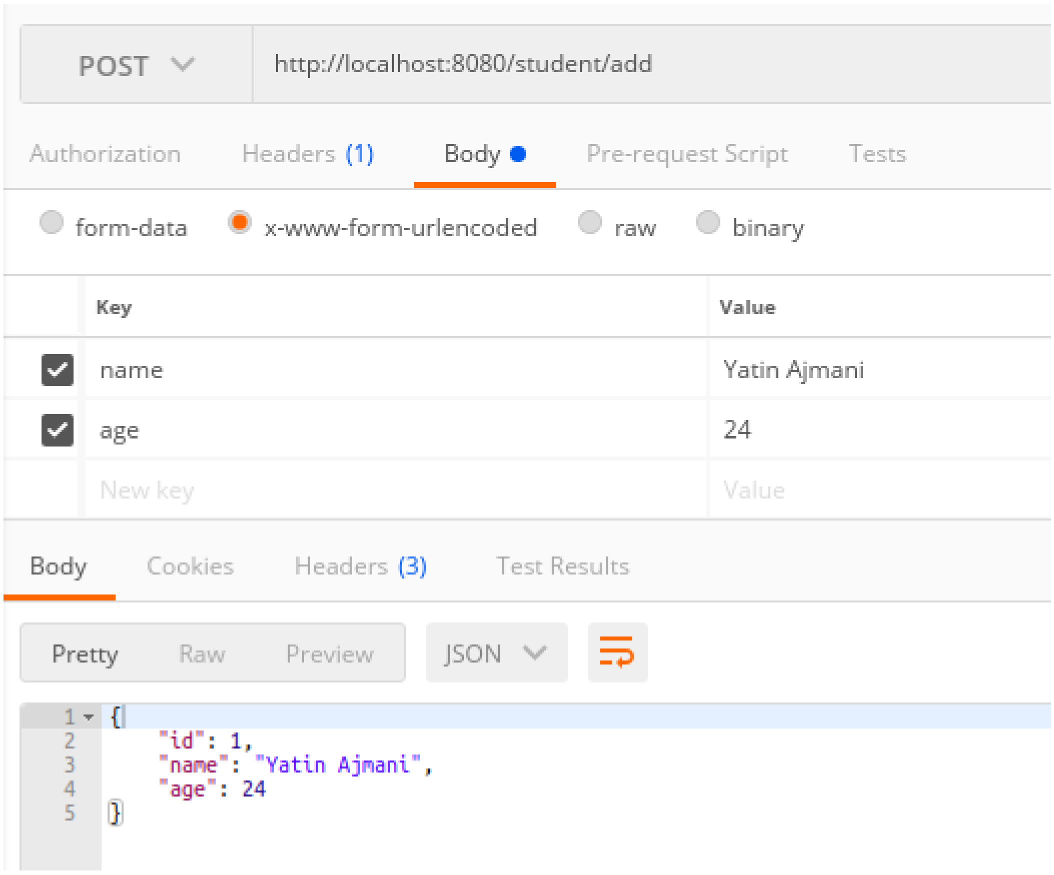
Exercise

1. Create a Restful API using Spring Boot for Student.(1 Mark)

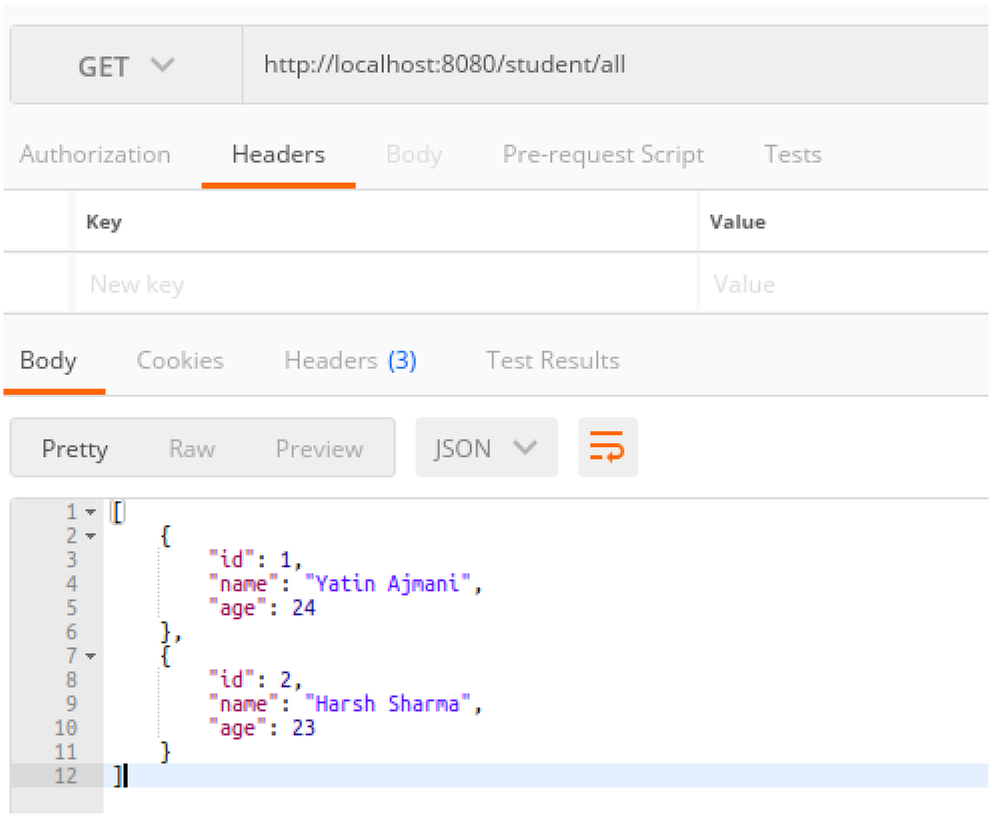


POST http://localhost:8080/student/add

Body: ● x-www-form-urlencoded

	Key	Value
✓	name	Yatin Ajmani
✓	age	24
	New key	Value

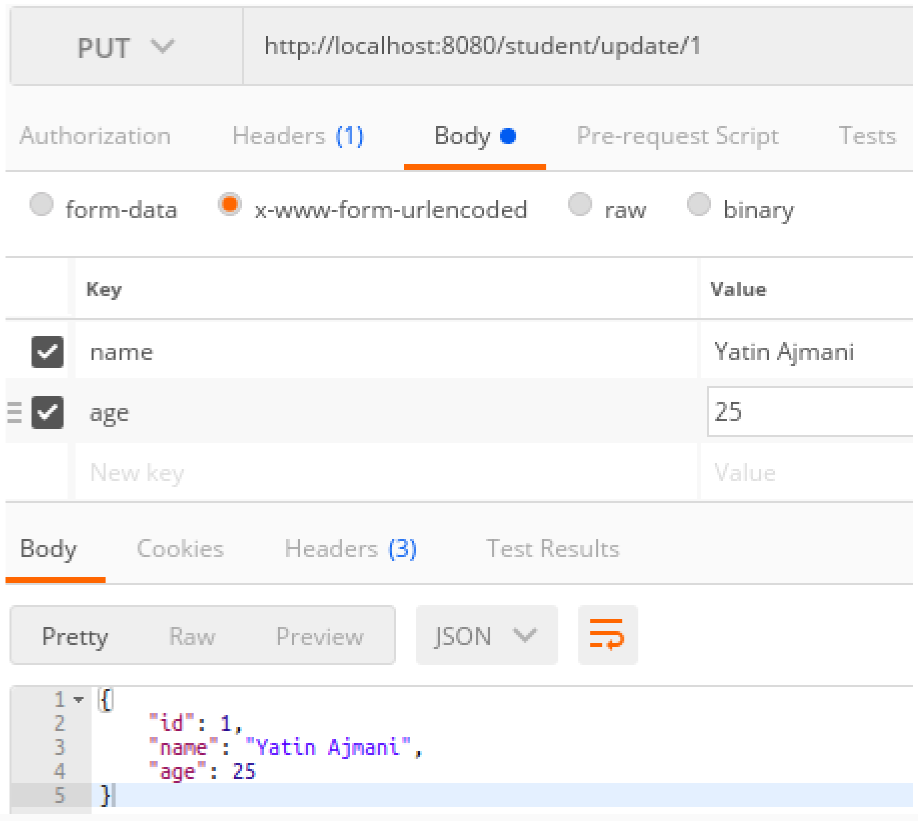
```
{
    "id": 1,
    "name": "Yatin Ajmani",
    "age": 24
}
```



GET http://localhost:8080/student/all

Key	Value
New key	Value

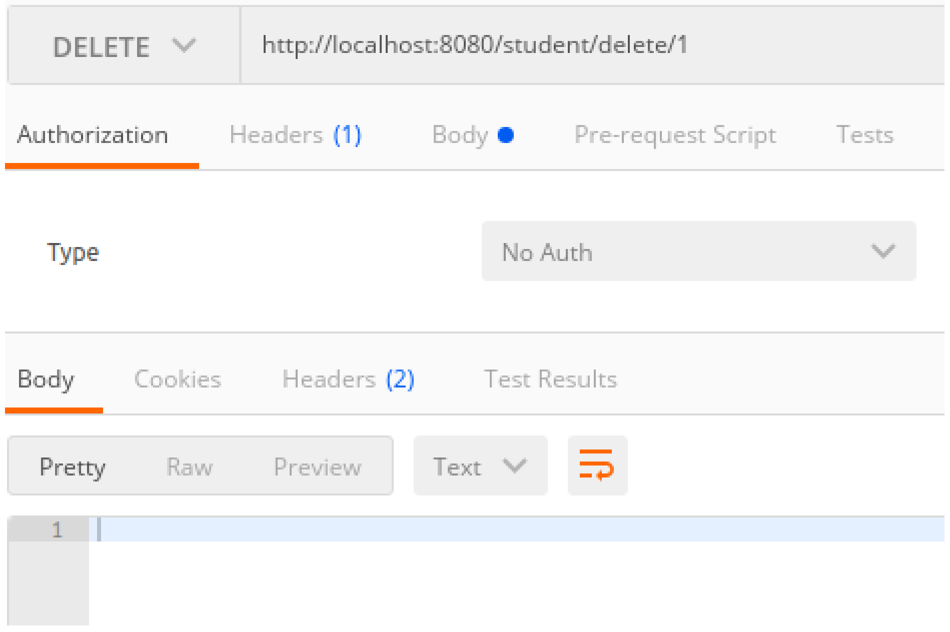
```
[
    {
        "id": 1,
        "name": "Yatin Ajmani",
        "age": 24
    },
    {
        "id": 2,
        "name": "Harsh Sharma",
        "age": 23
    }
]
```


PUT http://localhost:8080/student/update/1

form-data [✓ x-www-form-urlencoded] raw binary

	Key	Value
✓	name	Yatin Ajmani
✓	age	25
	New key	Value

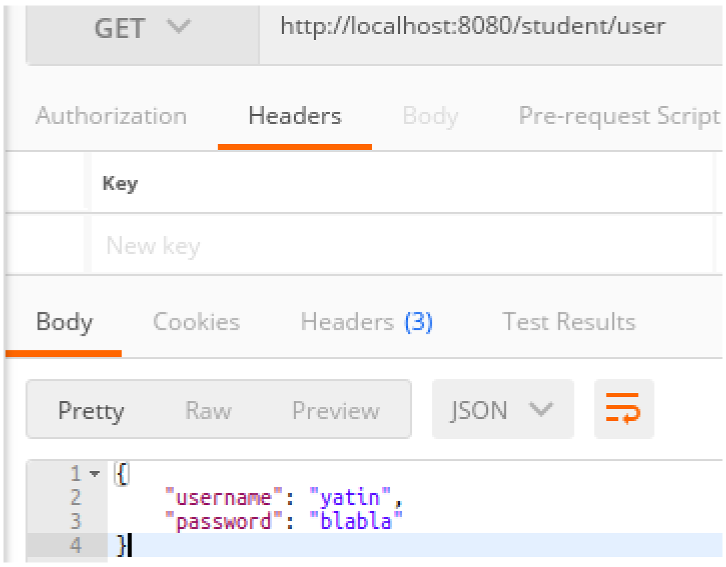
```
{
    "id": 1,
    "name": "Yatin Ajmani",
    "age": 25
}
```


DELETE http://localhost:8080/student/delete/1

Type: No Auth

2. Run Spring Boot Application with all the three ways (1 Mark)
   1. Using IDE(Shift+F10) run Main class.
   2. Gradle bootRun task
   3. Gradle bootJar task then using java -jar to execute the jar created.

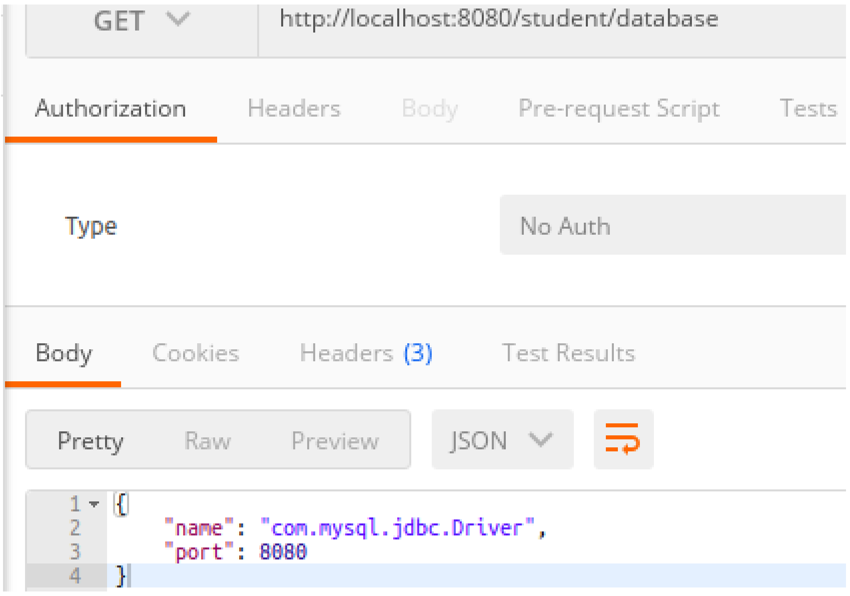
3. Create Bean User containing two field username and password with Spring Context File (1 Mark)



```
http://localhost:8080/student/user
```

```
{
    "username": "yatin",
    "password": "blabla"
}
```

4. Create a Bean Database with two fields port and name and Access its values using application.properties (1 Mark)

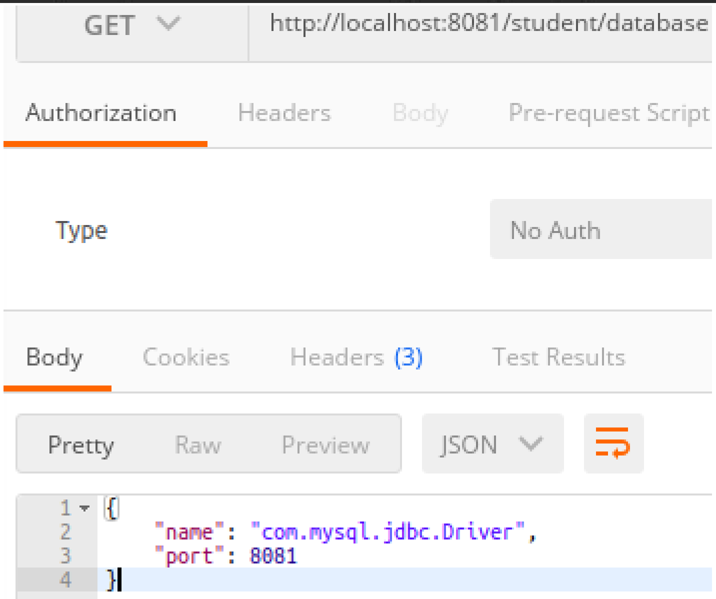


```
http://localhost:8080/student/database
```

```
{
    "name": "com.mysql.jdbc.Driver",
    "port": 8080
}
```

5. Configure environment specfic values form Database Bean (2 Marks)

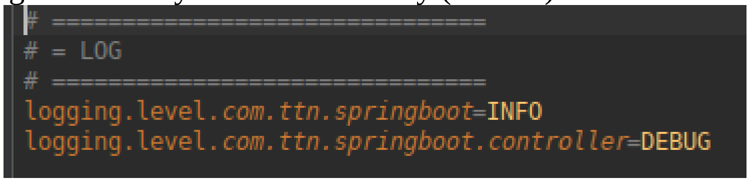
```
java -jar build/libs/spring-boot-1.0-SNAPSHOT.jar --spring.profiles.active=yatin
```



```
http://localhost:8081/student/database
```

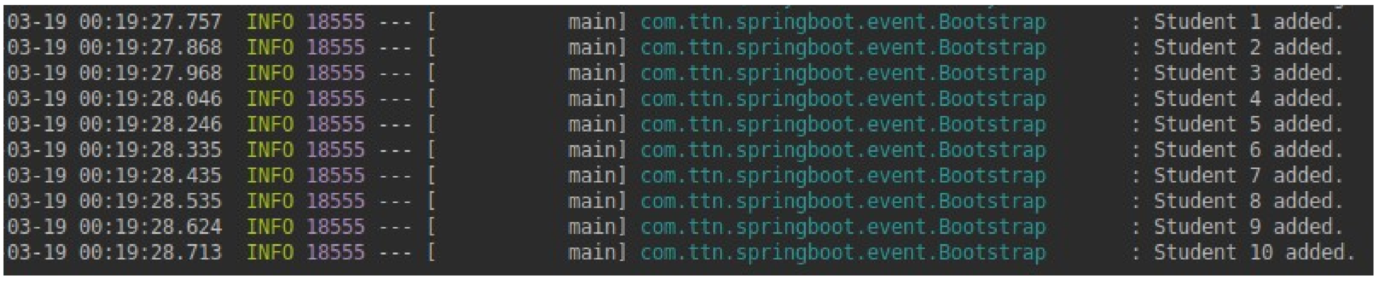
```
{
    "name": "com.mysql.jdbc.Driver",
    "port": 8081
}
```

6. Apply Logging whereever you feel is necessity (1 Mark)



```
# ==============================
# = LOG
# ==============================
logging.level.com.ttn.springboot=INFO
logging.level.com.ttn.springboot.controller=DEBUG
```

7. Bootstrap Data for Student Domain (3 Marks)



```
03-19 00:19:27.757  INFO 18555 --- [           main] com.ttn.springboot.event.Bootstrap       : Student 1 added.
03-19 00:19:27.868  INFO 18555 --- [           main] com.ttn.springboot.event.Bootstrap       : Student 2 added.
03-19 00:19:27.968  INFO 18555 --- [           main] com.ttn.springboot.event.Bootstrap       : Student 3 added.
03-19 00:19:28.046  INFO 18555 --- [           main] com.ttn.springboot.event.Bootstrap       : Student 4 added.
03-19 00:19:28.246  INFO 18555 --- [           main] com.ttn.springboot.event.Bootstrap       : Student 5 added.
03-19 00:19:28.335  INFO 18555 --- [           main] com.ttn.springboot.event.Bootstrap       : Student 6 added.
03-19 00:19:28.435  INFO 18555 --- [           main] com.ttn.springboot.event.Bootstrap       : Student 7 added.
03-19 00:19:28.535  INFO 18555 --- [           main] com.ttn.springboot.event.Bootstrap       : Student 8 added.
03-19 00:19:28.624  INFO 18555 --- [           main] com.ttn.springboot.event.Bootstrap       : Student 9 added.
03-19 00:19:28.713  INFO 18555 --- [           main] com.ttn.springboot.event.Bootstrap       : Student 10 added.
```