

1. Development environment 1

1.1 Server 1

1.2 Client 1

1.3 Screen Shots 2

2. NetBean Project 3

2.1 Output when jsonbbeanvaldemo is submitted successfully 3

2.2 Screenshot of NetBeans environment 3

1. Development environment

1.1 Server

This is a VPS host that I personally own. I deployed the server-side development environment needed for the course on this host. I configured a domain name arisefun.com to point to this VPS. The environment on the host includes:

```
Debian GNU/Linux 9.0
openjdk version 11.0.6
Payara Server 5.2021.3
MySQL Community Server version: 8.0.25
```

1.2 Client

My MacBook Pro, The environment includes:

```
Mac OS X 10.15.7
openjdk version 8
openjdk version 11.0.6
Java SE 14.0.2 (Each version of JDK can be switched at any time by command)
Eclipse IDE for Java Developers, Version: 2020-06 (4.16.0)
MySQL Workbench, Version 8.0.22
Apache NetBeans IDE, Version 12.0
GlassFish5, Version 5.0.1
```

1.3 Screen Shots

MySQL Workbench Administration - Server Status window for connection ITMD515.

Connection Name: ITMD515

Host: great-fiber-2.localdomain

Socket: /var/run/mysqld/mysqld.sock

Port: 3306

Version: 8.0.25 (MySQL Community Server - GPL)

Compiled For: Linux (x86_64)

Configuration File: unknown

Running Since: Sun May 30 11:00:30 2021 (8:05)

Available Server Features:

Performance Schema:	On	PAM Authentication:	Off
Thread Pool:	n/a	Password Validation:	n/a
Memcached Plugin:	n/a	Audit Log:	n/a
Semisync Replication Plugin:	n/a	Firewall:	n/a
SSL Availability:	On	Firewall Trace:	n/a

Server Directories:

Base Directory:	/usr/
Data Directory:	/var/lib/mysql/
Disk Space in Data Dir:	unable to retrieve
Plugins Directory:	/usr/lib/mysql/plugin/
Tmp Directory:	/tmp

Management support for target host enabled successfully.

MySQL Workbench Schemas window showing the actor table in the IMTD515Test database.

Query: `SELECT * FROM IMTD515Test.actor;`

Result Grid:

actor_id	first_name	last_name	last_update
1	PENELOPE	GUINNESS	2021-02-15 12:34:33
2	NICK	WAHLBERG	2021-02-15 12:34:33
3	NICK	WAHLBERG	2021-02-15 12:34:33
4	NICK	WAHLBERG	2021-02-15 12:34:33
5	NICK	WAHLBERG	2021-02-15 12:34:33

Query Completed

2. NetBean Project

2.1 Output when jsonbeanvaldemo is submitted successfully

Customer saved successfully.

Enter Customer Information

Salutation

Mr

First Name

ZHIQIANG

Middle Name

test

Last Name

ZHU

Date of Birth

1977/06/11

Submit

2.2 Screenshot of NetBeans environment

