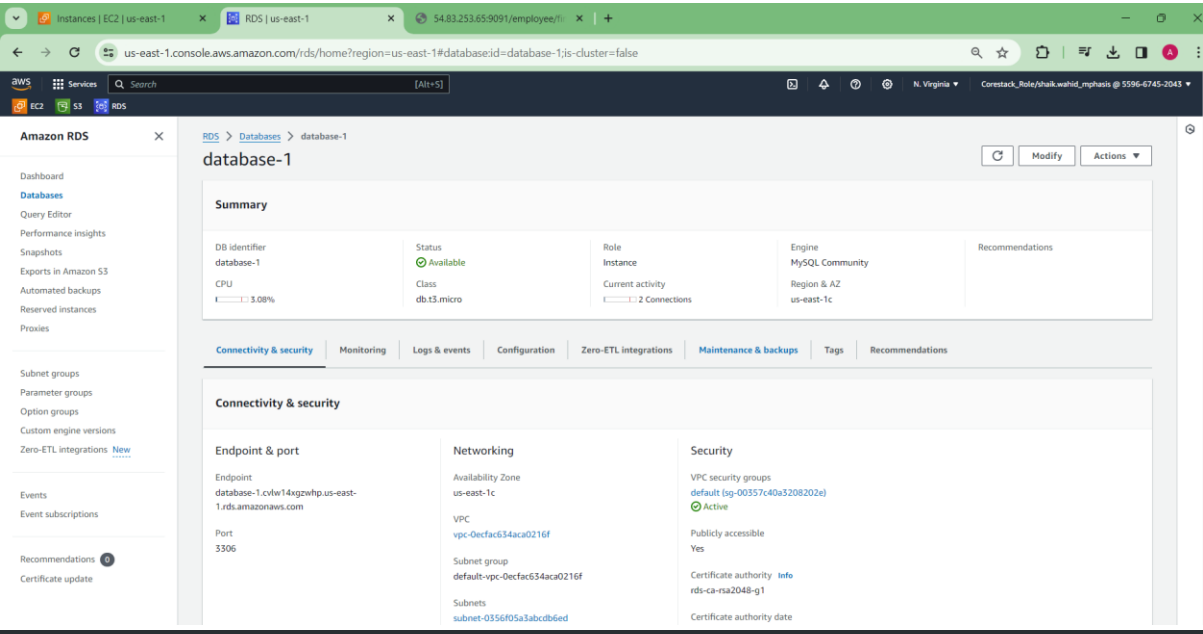
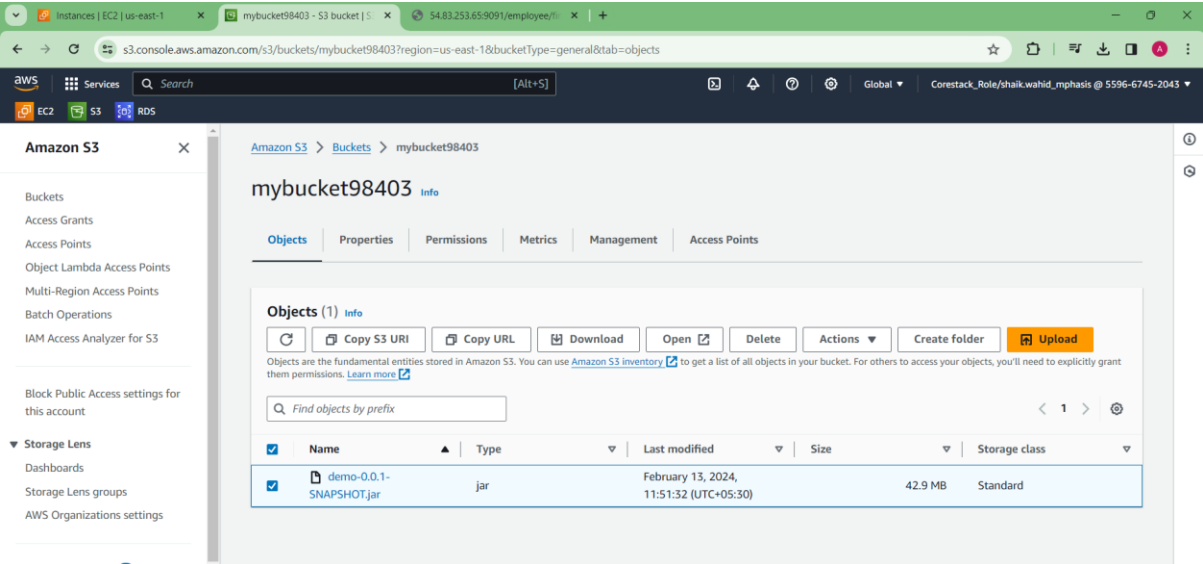


# Deploy Application on Cloud Output:

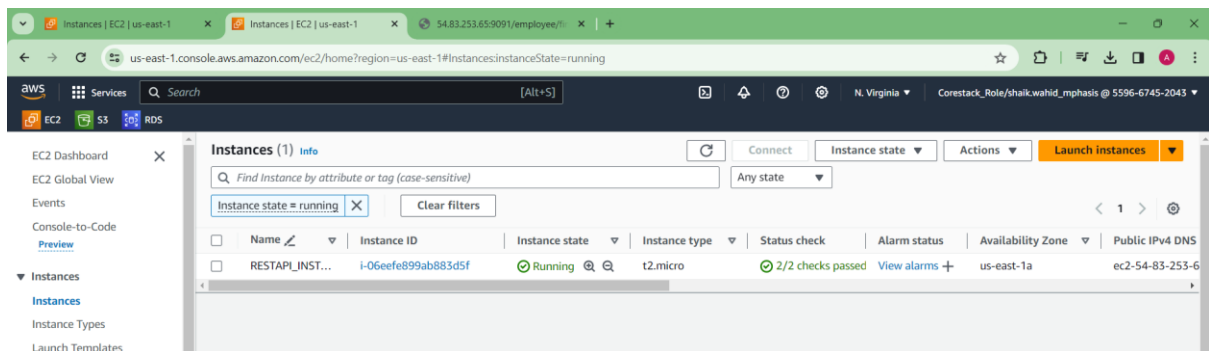
## Created RDS:



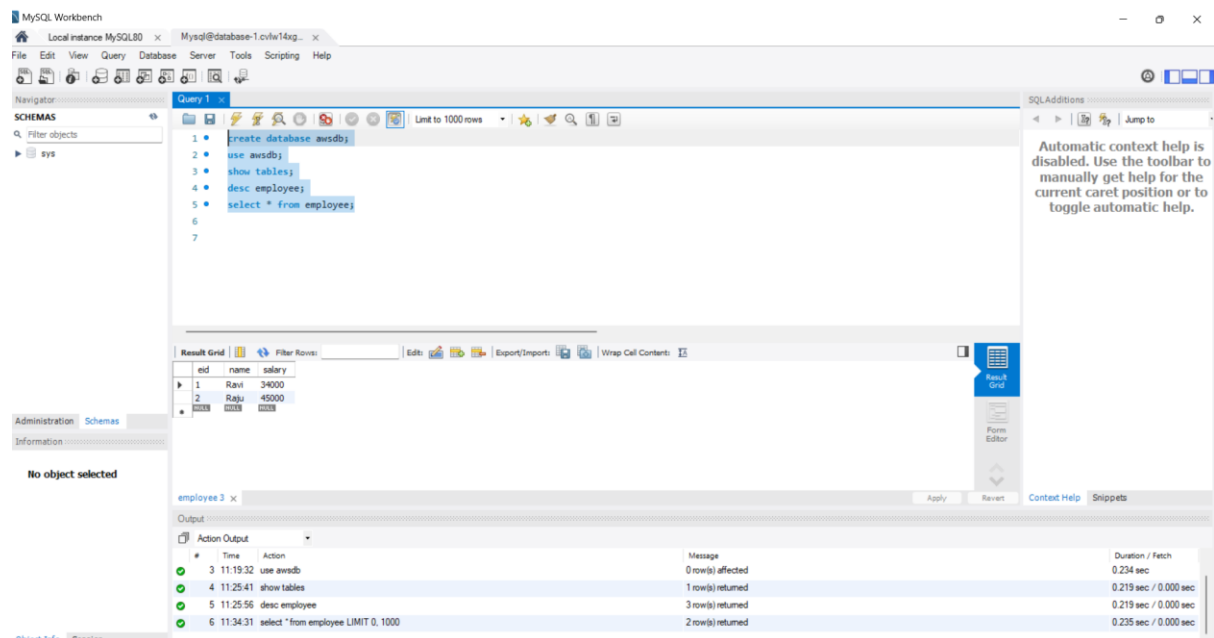
## Created S3 bucket:



## Created EC2 Instances:



## Created MySQL WorkBench Database Connection:



## Connecting EC2 instance to Gitbash:

```
Karim@LAPTOP-NR97T0JF MINGW32 /e/Aws_keys
```

```
$ ssh -i "RESTAPI.pem" ec2-user@ec2-54-83-253-65.compute-1.amazonaws.com
```

```

#_
~\####_
~\#####\
~\####\
~\#/_
~\V~'-'>

```

Amazon Linux 2023

<https://aws.amazon.com/linux/amazon-linux-2023>

```
[ec2-user@ip-172-31-19-96 ~]$ sudo yum install java
Last metadata expiration check: 0:11:49 ago on Tue Feb 13 06:25:22 2024.
Dependencies resolved.
```

Package	Arch	Version	Repository	Size
Installing:				
java-21-amazon-corretto	x86_64	1:21.0.2+13-1.amzn2023.1	amazonlinux	213 k
Installing dependencies:				
alsa-lib	x86_64	1.2.7.2-1.amzn2023.0.2	amazonlinux	504 k
cairo	x86_64	1.17.6-2.amzn2023.0.1	amazonlinux	684 k
dejavu-sans-fonts	noarch	2.37-16.amzn2023.0.2	amazonlinux	1.3 M
dejavu-sans-mono-fonts	noarch	2.37-16.amzn2023.0.2	amazonlinux	467 k
dejavu-serif-fonts	noarch	2.37-16.amzn2023.0.2	amazonlinux	1.0 M
fontconfig	x86_64	2.13.94-2.amzn2023.0.2	amazonlinux	273 k

```
libbrotli-1.0.9-4.amzn2023.0.2.x86_64
libjpeg-turbo-2.1.4-2.amzn2023.0.5.x86_64
libpng-2.1.6-37.10.amzn2023.0.6.x86_64
libxcb-1.13.1-7.amzn2023.0.2.x86_64
pixman-0.40.0-3.amzn2023.0.3.x86_64
xml-common-0.6.3-56.amzn2023.0.2.noarch
```

Complete!

```
[ec2-user@ip-172-31-19-96 ~]$ java --version
openjdk 21.0.2 2024-01-16 LTS
OpenJDK Runtime Environment Corretto-21.0.2.13.1 (build 21.0.2+13-LTS)
OpenJDK 64-Bit Server VM Corretto-21.0.2.13.1 (build 21.0.2+13-LTS, mixed mode, sharing)
```

```
[ec2-user@ip-172-31-19-96 ~]$ wget https://mybucket98403.s3.amazonaws.com/demo-0.0.1-SNAPSHOT.jar
--2024-02-13 06:38:04-- https://mybucket98403.s3.amazonaws.com/demo-0.0.1-SNAP
```

```

HOT.jar
Resolving mybucket98403.s3.amazonaws.com (mybucket98403.s3.amazonaws.com)... 3.5
.10.67, 3.5.11.187, 3.5.20.23, ...
Connecting to mybucket98403.s3.amazonaws.com (mybucket98403.s3.amazonaws.com)|3.
5.10.67|:443... connected.

```

```
HTTP request sent, awaiting response... 200 OK
```

```
Length: 45027431 (43M) [binary/octet-stream]
```

Saving to: 'demo-0.0.1-SNAPSHOT.jar'

```
demo-0.0.1-SNAPSHOT 100%[=====>] 42.94M 22.7MB/s in 1.9s
```

```
2024-02-13 06:38:06 (22.7 MB/s) - 'demo-0.0.1-SNAPSHOT.jar' saved [45027431/45027431]
```

```
[ec2-user@ip-172-31-19-96 ~]$ ls
```

demo-0.0.1-SNAPSHOT.jar

```
[ec2-user@ip-172-31-19-96 ~]$ java -jar demo-0.0.1-SNAPSHOT.jar
```

[illegible]

```
2024-02-13T06:38:35.374Z INFO 25761 --- [main] com.RestApiWithAwsDbApplication : Starting RestApiWithAwsDbApplication v0.0.1-SNAPSHOT using Java 21.0.2 with PID 25761 (/home/ec2-user/demo-0.0.1-SNAPSHOT.jar started by ec2-user in /home/ec2-user)
```

```
2024-02-13T06:38:35.378Z INFO 25761 --- [main] com.RestApiWithAwsDbA
application : No active profile set, falling back to 1 default profile:
"default"
```

```
2024-02-13T06:38:37.595Z INFO 25761 ---[           main] .s.d.r.c.RepositoryCo
nfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode
```

```
2024-02-13T06:38:37.712Z INFO 25761 --- [           main] .s.d.r.c.RepositoryCo
nfigurationDelegate : Finished Spring Data repository scanning in 107 ms. Found
```

```

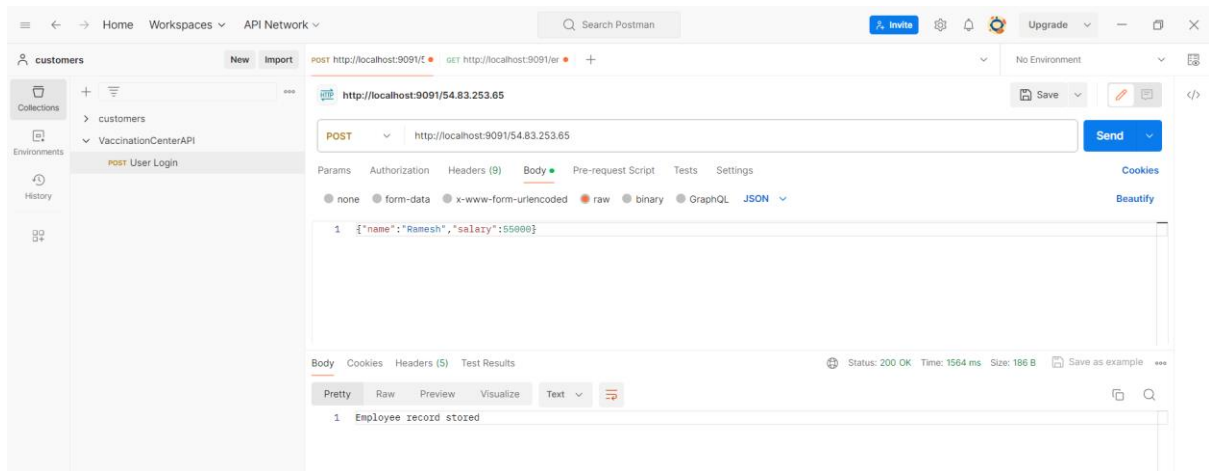
java.lang.IllegalArgumentException: Invalid character found in method name [0x16
0x030x010x02:0x010x000x0260x030x030x9b0xf90xf90xfb0xf50x96}0xd7{0xa30xfe0xd60xe6
0xd20xacA$0x1dy0x0f0x0170x97G0xd1{0x980x0b0xae}0xbde ]. HTTP method names must b
e tokens
    at org.apache.coyote.http11.Http11InputBuffer.parseRequestLine(Http11Inp
utBuffer.java:407) ~[tomcat-embed-core-10.1.18.jar!/:na]
    at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java
:264) ~[tomcat-embed-core-10.1.18.jar!/:na]
    at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLig
ht.java:63) ~[tomcat-embed-core-10.1.18.jar!/:na]
    at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(Abstract
Protocol.java:896) ~[tomcat-embed-core-10.1.18.jar!/:na]
    at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpo
int.java:1744) ~[tomcat-embed-core-10.1.18.jar!/:na]
    at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBas
e.java:52) ~[tomcat-embed-core-10.1.18.jar!/:na]
    at org.apache.tomcat.util.threads.ThreadPoolExecutor.runWorker(ThreadPoo
lExecutor.java:1191) ~[tomcat-embed-core-10.1.18.jar!/:na]
    at org.apache.tomcat.util.threads.ThreadPoolExecutor$Worker.run(ThreadPo
olExecutor.java:659) ~[tomcat-embed-core-10.1.18.jar!/:na]
    at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskTh
read.java:61) ~[tomcat-embed-core-10.1.18.jar!/:na]
    at java.base/java.lang.Thread.run(Thread.java:1583) ~[na:na]

2024-02-13T06:40:32.070Z INFO 25761 --- [nio-9091-exec-3] o.a.c.c.C.[Tomcat].[
localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2024-02-13T06:40:32.072Z INFO 25761 --- [nio-9091-exec-3] o.s.web.servlet.Dispa
tcherServlet : Initializing Servlet 'dispatcherServlet'
2024-02-13T06:40:32.073Z INFO 25761 --- [nio-9091-exec-3] o.s.web.servlet.Dispa
tcherServlet : Completed initialization in 1 ms
client_loop: send disconnect: Connection reset by peer

Karim@LAPTOP-NR97T0JF MINGW32 /e/Aws_keys
$

```

## Checking the project is connected or not Postman:



## Checking the EC2 Public Ip address in web:

