Testing Endpoint:

```
(base) bkarakh@karakheti25-mbp cloud-project % curl '18.219.89.56:8080/convert?lbs=150'
{"lbs":150,"kg":68.039,"formula":"kg = lbs * 0.45359237"}%
(base) bkarakh@karakheti25-mbp cloud-project %
```

Test Cases:

a. Success cases:

```
[(base) bkarakh@karakheti25-mbp cloud-project % curl '18.219.89.56:8080/convert?lbs=0'
{"lbs":0,"kg":0,"formula":"kg = lbs * 0.45359237"}%
(base) bkarakh@karakheti25-mbp cloud-project %
```

```
(base) bkarakh@karakheti25-mbp cloud-project % curl '18.219.89.56:8080/convert?lbs=150'
{"lbs":150,"kg":68.039,"formula":"kg = lbs * 0.45359237"}%
(base) bkarakh@karakheti25-mbp cloud-project %
```

```
(base) bkarakh@karakheti25-mbp cloud-project % curl '18.219.89.56:8080/convert?lbs=0.1'
{"lbs":0.1,"kg":0.045,"formula":"kg = lbs * 0.45359237"}%
(base) bkarakh@karakheti25-mbp cloud-project %
```

b. Error cases:

```
(base) bkarakh@karakheti25-mbp cloud-project % curl '18.219.89.56:8080/convert'
{"status":400,"error":"Query param lbs is required and must be a number"}%
(base) bkarakh@karakheti25-mbp cloud-project %
```

```
(base) bkarakh@karakheti25-mbp cloud-project % curl '18.219.89.56:8080/convert?lbs=-5'
{"status":422,"error":"lbs must be a non-negative, finite number"}%
(base) bkarakh@karakheti25-mbp cloud-project %
```

```
(base) bkarakh@karakheti25-mbp cloud-project % curl '18.219.89.56:8080/convert?lbs=NaN'
{"status":400,"error":"Query param lbs is required and must be a number"}%
(base) bkarakh@karakheti25-mbp cloud-project %
```

Systemctl

```
[ec2-user@ip-172-31-41-63 ~]$ sudo systemctl status p1 --no-pager
● p1.service - CS554 Project 1 service
     Loaded: loaded (/etc/systemd/system/p1.service; enabled; preset: disabled)
     Active: active (running) since Thu 2025-09-25 03:42:32 UTC; 5s ago
   Main PID: 74616 (node)
      Tasks: 7 (limit: 1057)
     Memory: 20.7M
        CPU: 167ms
     CGroup: /system.slice/p1.service
             └─74616 /usr/bin/node /home/ec2-user/p1/server.js

Sep 25 03:42:32 ip-172-31-41-63.us-east-2.compute.internal systemd[1]: Started p1.service - CS554 Project 1 service.
Sep 25 03:42:33 ip-172-31-41-63.us-east-2.compute.internal node[74616]: listening on 8080
[ec2-user@ip-172-31-41-63 ~]$
```

Security Groups

Inbound rules (4)

Search

	Name	Security group rule ID	IP version	Type	Protocol	Port range	Source
☐	–	sgr-05914e31c4b019ee5	IPv4	SSH	TCP	22	0.0.0.0/0
☐	–	sgr-0d0a08684c0c00c20	IPv4	Custom TCP	TCP	8080	0.0.0.0/0
☐	–	sgr-06f4772e35cfb0929	IPv4	HTTPS	TCP	443	0.0.0.0/0
☐	–	sgr-08ea67383d17af4f6	IPv4	HTTP	TCP	80	0.0.0.0/0

Manage tags   Edit inbound rules

‹ 1 ›