

## Assignment

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## GET

The screenshot shows a Linux desktop environment with a purple-themed sidebar on the left containing icons for various applications. The main window is a terminal with a dark purple background. The terminal output is as follows:

```
anand@chavan: ~/go/src/github.com/pucsd2020-pp/rest-api
anand@chavan:~/go/src/github.com/pucsd2020-pp/rest-api$ go run main.go
2020/04/05 23:22:31 "GET http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:43644 - 200 24B in 1.012846ms

anand@chavan: ~
anand@chavan:~$ curl -X GET -d '{"first_name":"Anand","last_name":"Chavan","email":"anand2431997@gmail.com","password":"512121","contact_number":"9657028630","updated_by":0}' http://localhost:9090/webapi/v1/user
{"status":200,"data":[]}anand@chavan:~$
```

Below this, a new terminal window is open, showing a MySQL command-line interface:

```
mysql> select * from user_detail;
Empty set (0.00 sec)

mysql>
```

## POST

The image shows a Linux terminal window with a dark purple background. On the left side, there is a vertical dock containing several application icons: a terminal icon, a file manager icon, a web browser icon, a mail icon, a calendar icon, a clock icon, a weather icon, a music icon, a video icon, a game icon, and a system monitor icon. The terminal window displays the following content:

```
anand@chavan: ~/go/src/github.com/pucsd2020-pp/rest-api$ go run main.go
2020/04/05 23:22:31 "GET http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:43644 - 200 248 in 1.012846ms
2020/04/05 23:24:27 "POST http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:43646 - 200 1638 in 63.40322ms

anand@chavan: -
anand@chavan:~$ curl -X POST -d '{"first_name":"Anand","last_name":"Chavan","email":"anand2431997@gmail.com","password":"512121","contact_number":"9657028630","updated_by":0}' http://localhost:9090/webapi/v1/user
{"status":200,"data":{"first_name":"Anand","last_name":"Chavan","email":"anand2431997@gmail.com","password":"512121","contact_number":"9657028630","updated_by":0}}anand@chavan:~$

mysql> select * from user_detail;
+-----+
| id | first_name | last_name | email | password | contact_number | updated_by | deleted | creation_date | last_update |
+-----+
| 4 | Anand | Chavan | anand2431997@gmail.com | 512121 | 9657028630 | 0 | 0 | 2020-04-05 23:24:27 | 2020-04-05 23:24:27 |
+-----+
1 row in set (0.00 sec)
```

Terminal

anand@chavan: ~/go/src/github.com/pucsd2020-pp/rest-api

```
anand@chavan:~/go/src/github.com/pucsd2020-pp/rest-api$ go run main.go
2020/04/05 23:22:31 "GET http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:43644 - 200 248 in 1.012846ms
2020/04/05 23:24:27 "POST http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:43646 - 200 1638 in 63.40322ms
2020/04/05 23:26:27 "PUT http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:43648 - 405 0B in 18.901µs
```

anand@chavan: ~

```
anand@chavan:~$ curl -X PUT -d '{"first_name":"Deva","last_name":"Suewase","email":"deva@gmail.com","password":"512121we","contact_number":"96570286355","updated_by":0}' http://localhost:9090/webapi/v1/user
anand@chavan:~$
```

anand@chavan: ~

```
mysql> select * from user_detail
-> ;
```

| id | first_name | last_name | email                  | password | contact_number | updated_by | deleted | creation_date       | last_update         |
|----|------------|-----------|------------------------|----------|----------------|------------|---------|---------------------|---------------------|
| 4  | Anand      | Chavan    | anand2431997@gmail.com | 512121   | 9657028630     | 0          | 0       | 2020-04-05 23:24:27 | 2020-04-05 23:24:27 |

The screenshot shows a terminal window with the following commands and output:

```
anand@chavan: ~/go/src/github.com/pucsd2020-pp/rest-api  
anand@chavan:~/go/src/github.com/pucsd2020-pp/rest-api$ go run main.go  
2020/04/05 23:54:01 "DELETE http://localhost:9090/webapi/v1/user/4 HTTP/1.1" from 127.0.0.1:43730 - 200 49B in 1.578458ms
```

A second terminal window shows the same user running a curl command to delete a user:

```
anand@chavan: ~  
anand@chavan:~$ curl -X DELETE http://localhost:9090/webapi/v1/user/4  
{\"status\":200,\"data\":\"User deleted successfully\"}anand@chavan:~$
```

A third terminal window shows the user switching to a MySQL database and querying the user\_detail table:

```
anand@chavan: ~/go/src/github.com/pucsd2020-pp/rest-api$ go run main.go  
mysql> select * from user_detail;  
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
| id | first_name | last_name | email          | password | contact_number | updated_by | deleted | creation_date   | last_update   |  
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
| 4  | Deva       | Suewase   | deva@gmail.com | 512121we | 96570286355    |           | 0      | 2020-04-05 23:24:27 | 2020-04-05 23:49:53 |  
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
1 row in set (0.00 sec)
```

The final command shown is another MySQL query:

```
mysql>
```