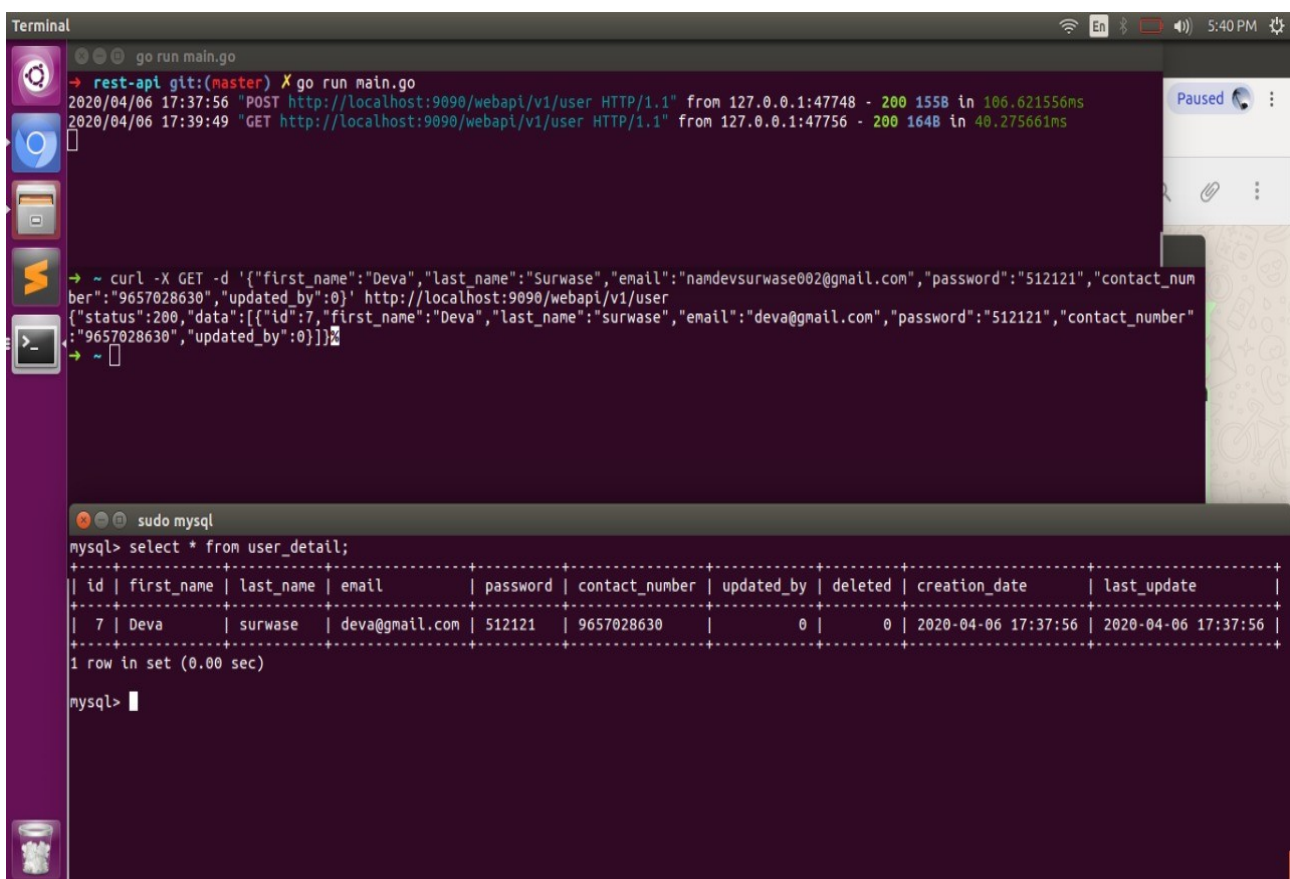


Challenge 1

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Get-



The screenshot shows a terminal window with two sessions. The top session is a REST client (rest-api) running a Go program (main.go). It shows two requests: a POST request to http://localhost:9090/webapi/v1/user at 17:37:56 and a GET request at 17:39:49. The bottom session is a MySQL database session where a query is executed to select all data from the user_detail table. The output shows a single row with the following details:

id	first_name	last_name	email	password	contact_number	updated_by	deleted	creation_date	last_update
7	Deva	surwase	deva@gmail.com	512121	9657028630	0	0	2020-04-06 17:37:56	2020-04-06 17:37:56

The image shows a Linux desktop with a purple-themed sidebar on the left containing icons for a terminal, web browser, file manager, and other applications. The main window is a terminal titled "Terminal" with a dark background. It shows a sequence of commands and their outputs. First, a "go run main.go" command is executed, followed by a "rest-api git:(master) X go run main.go" command. The output shows three REST client requests: a POST, a GET, and a PUT, all returning 200 status codes. Below this, two curl commands are shown: a GET request for a user and a PUT request to update a user. The second terminal window, titled "sudo mysql", shows a SQL query "select * from user_detail;" being executed. The output is a table with columns: id, first_name, last_name, email, password, contact_number, updated_by, deleted, creation_date, and last_update. The table contains one row of data for a user with id 7. The desktop clock in the top right corner shows 5:42 PM on 5/24/2020.

```
Terminal
go run main.go
→ rest-api git:(master) X go run main.go
2020/04/06 17:37:56 "POST http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:47748 - 200 155B in 106.621556ms

→ ~ curl -X POST -d '{"first_name":"Deva","last_name":"surwase","email":"deva@gmail.com","password":"512121","contact_number":"9657028630","updated_by":0}' http://localhost:9090/webapi/v1/user
{"status":200,"data":{"first_name":"Deva","last_name":"surwase","email":"deva@gmail.com","password":"512121","contact_number":"9657028630","updated_by":0}}
```

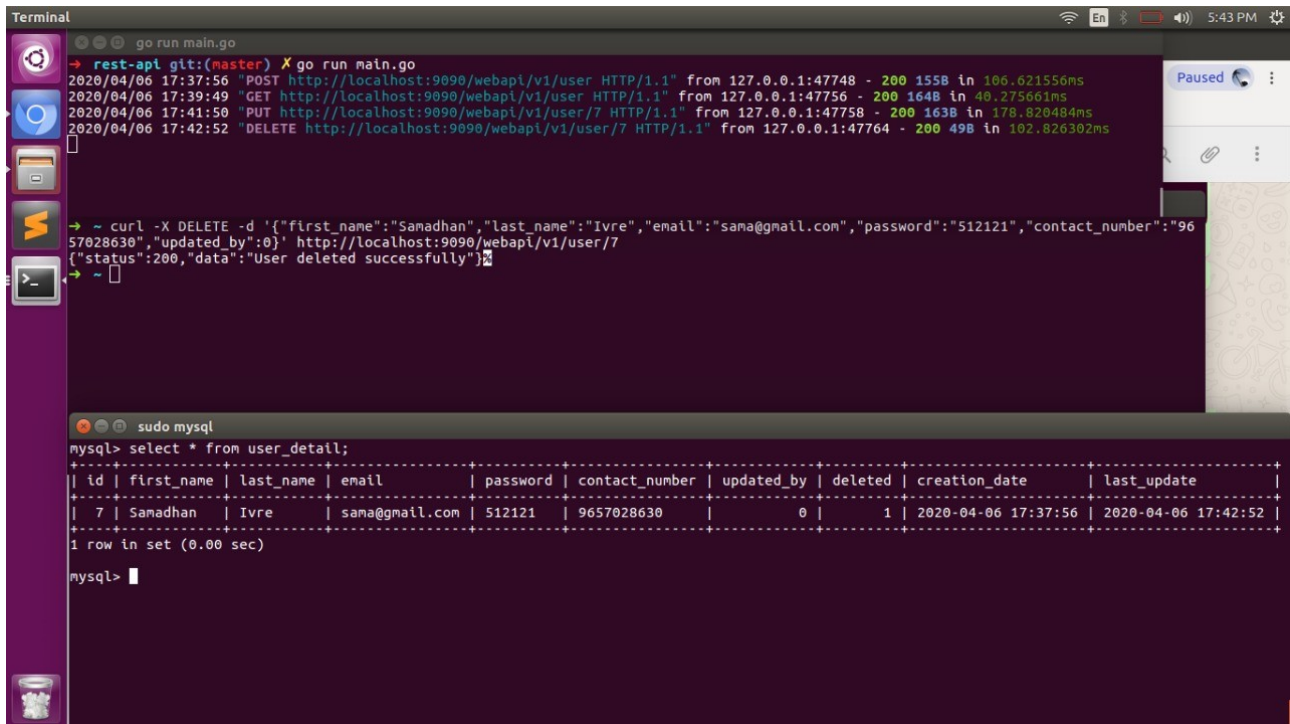
```
mysql> select * from user_detail;
```

id	first_name	last_name	email	password	contact_number	updated_by	deleted	creation_date	last_update
7	Deva	surwase	deva@gmail.com	512121	9657028630	0	0	2020-04-06 17:37:56	2020-04-06 17:37:56

```
1 row in set (0.00 sec)
```

```
mysql>
```

Delete-



The screenshot shows a terminal window with two active sessions. The top session is a REST client (rest-api) running a Go program (go run main.go) that logs HTTP requests and responses. The bottom session is a MySQL database terminal (sudo mysql) showing a query result for a user deletion.

REST API Logs:

```
2020/04/06 17:37:56 "POST http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:47748 - 200 155B in 106.621556ms
2020/04/06 17:39:49 "GET http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:47756 - 200 164B in 40.275661ms
2020/04/06 17:41:50 "PUT http://localhost:9090/webapi/v1/user/7 HTTP/1.1" from 127.0.0.1:47758 - 200 163B in 178.820484ms
2020/04/06 17:42:52 "DELETE http://localhost:9090/webapi/v1/user/7 HTTP/1.1" from 127.0.0.1:47764 - 200 49B in 102.826302ms
```

MySQL Query Result:

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

id	first_name	last_name	email	password	contact_number	updated_by	deleted	creation_date	last_update
7	Samadhan	Ivre	sana@gmail.com	512121	9657028630	0	1	2020-04-06 17:37:56	2020-04-06 17:42:52

1 row in set (0.00 sec)

```
mysql>
```