

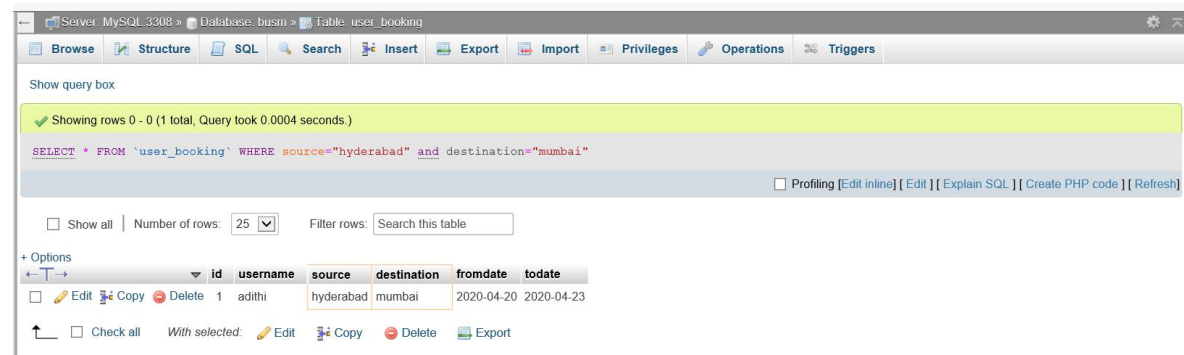
BUS RESERVATION SYSTEM : DBMS CASESTUDY- (TEAM 1)

QUERIES:

1) Find the name of the customer travelling from Hyderabad to Mumbai on 21st April 2020.

**SELECT username FROM user_booking WHERE source="hyderabad
" and destination="mumbai ";**

Output:



Server: MySQL 3308 » Database: busm » Table: user_booking

Showing rows 0 - 0 (1 total, Query took 0.0004 seconds.)

```
SELECT * FROM `user_booking` WHERE source="hyderabad" and destination="mumbai"
```

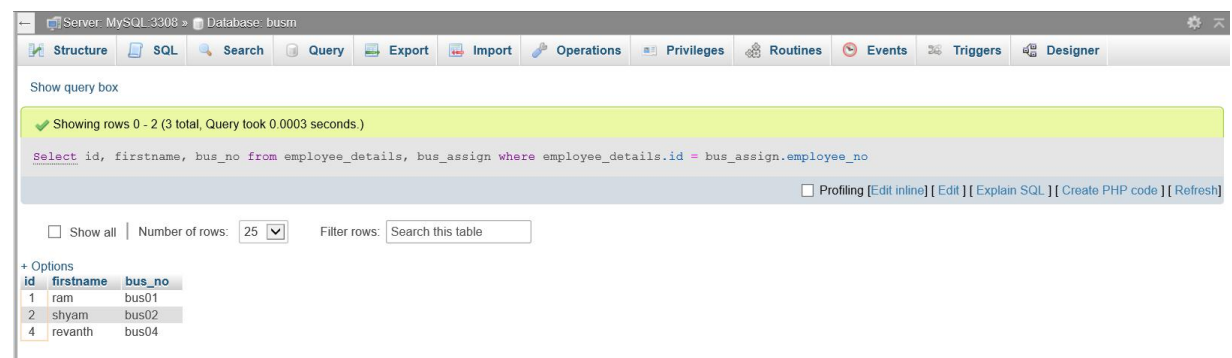
Number of rows: 25 Filter rows: Search this table

id	username	source	destination	fromdate	todate
1	adithi	hyderabad	mumbai	2020-04-20	2020-04-23

2) Find the id, name, bus_no of the employees to whom the buses are assigned.

**SELECT id, firstname, bus_no FROM employee_details, bus_assign
WHERE employee_details.id = bus_assign.employee_no and
firstname="ram";**

Output:



Server: MySQL 3308 » Database: busm

Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)

```
Select id, firstname, bus_no from employee_details, bus_assign where employee_details.id = bus_assign.employee_no and firstname="ram"
```

Number of rows: 25 Filter rows: Search this table

id	firstname	bus_no
1	ram	bus01
2	shyam	bus02
4	revanth	bus04

3) Find the employee details of the employee assigned to the bus Adithi is travelling in.

SELECT * FROM employee_details WHERE id=(SELECT employee_no FROM bus_assign WHERE bus_no=(SELECT bus_no FROM bus_details WHERE id=(SELECT id FROM user_booking WHERE username="adithi"))));

Output:

Server: MySQL:3308 » Database: busm » Table: employee_details

Showing rows 0 - 0 (1 total, Query took 0.0007 seconds.)

```

Select * from employee_details where id=(Select employee_no from bus_assign where bus_no=(Select bus_no from bus_details where id=(Select id from user_booking where username="adithi")))

```

Number of rows: 25 | Filter rows: Search this table

	id	firstname	lastname	phone1	phone2
	1	ram	kumar	12345678	23456789

4) Find the details of the customers travelling from chennai to hyderabad.

SELECT * FROM user_details WHERE username=(SELECT username FROM user_booking WHERE source="chennai" and destination="hyderabad");

Output:

Server: MySQL:3308 » Database: busm » Table: user_details

1 row affected.

```

UPDATE `user_details` SET `password` = 'xyz' WHERE `user_details`.`username` = 'dhriti';

```

Showing rows 0 - 0 (1 total, Query took 0.0006 seconds.)

```

Select * from user_details where username=(Select username from user_booking where source="chennai" and destination="hyderabad")

```

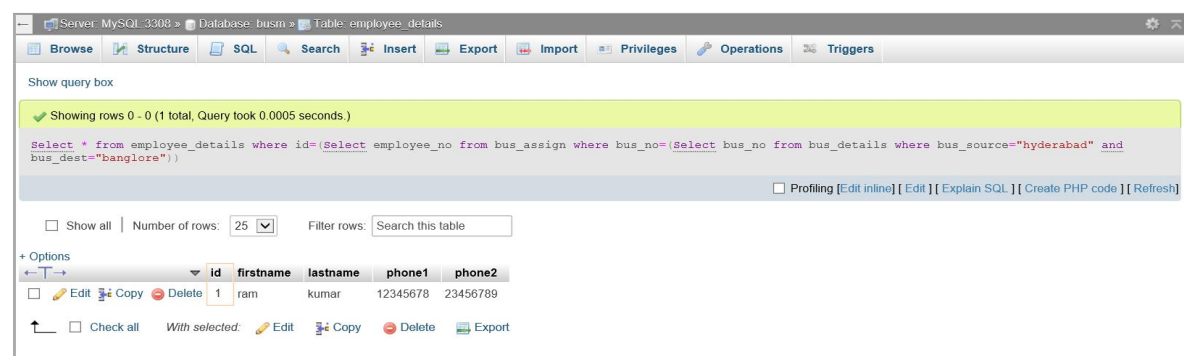
Number of rows: 25 | Filter rows: Search this table

	id	firstname	lastname	username	password	email	mobile
	3	dhriti	krishna	dhriti	xyz	dhriti@gmail.com	1234

5) Find the employee details of the employee assigned to the bus travelling from hyderabad to bangalore.

```
SELECT * FROM employee_details WHERE id=(SELECT employee_no  
FROM bus_assign WHERE bus_no=(SELECT bus_no FROM bus_details  
WHERE bus_source="hyderabad" and bus_dest="bangalore"));
```

Output:



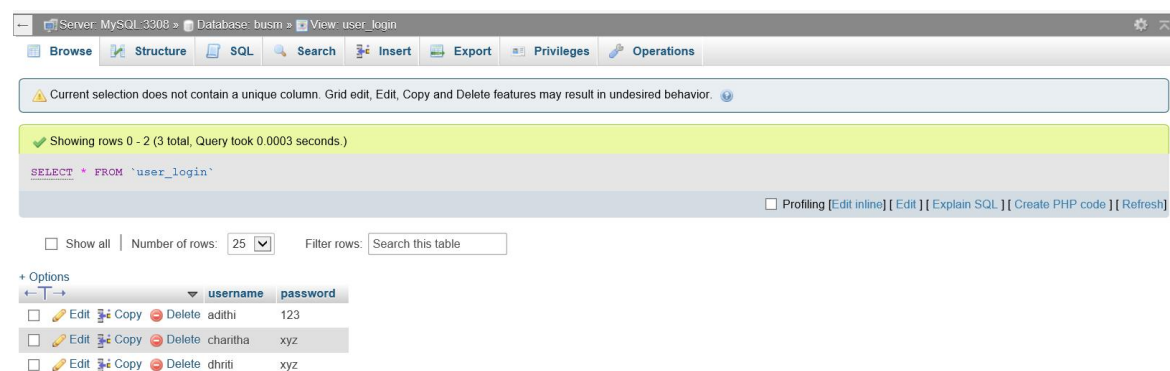
The screenshot shows the MySQL Workbench interface with the query results for the employee_details table. The query is: `select * from employee_details where id=(select employee_no from bus_assign where bus_no=(select bus_no from bus_details where bus_source="hyderabad" and bus_dest="bangalore"))`. The results show one row with the following data:

id	firstname	lastname	phone1	phone2
1	ram	kumar	12345678	23456789

VIEWS CREATED:

1) user_login : Shows the login details of the user/customer.

```
CREATE VIEW `user_login` (username, password)  
AS SELECT username, password FROM user_details;
```

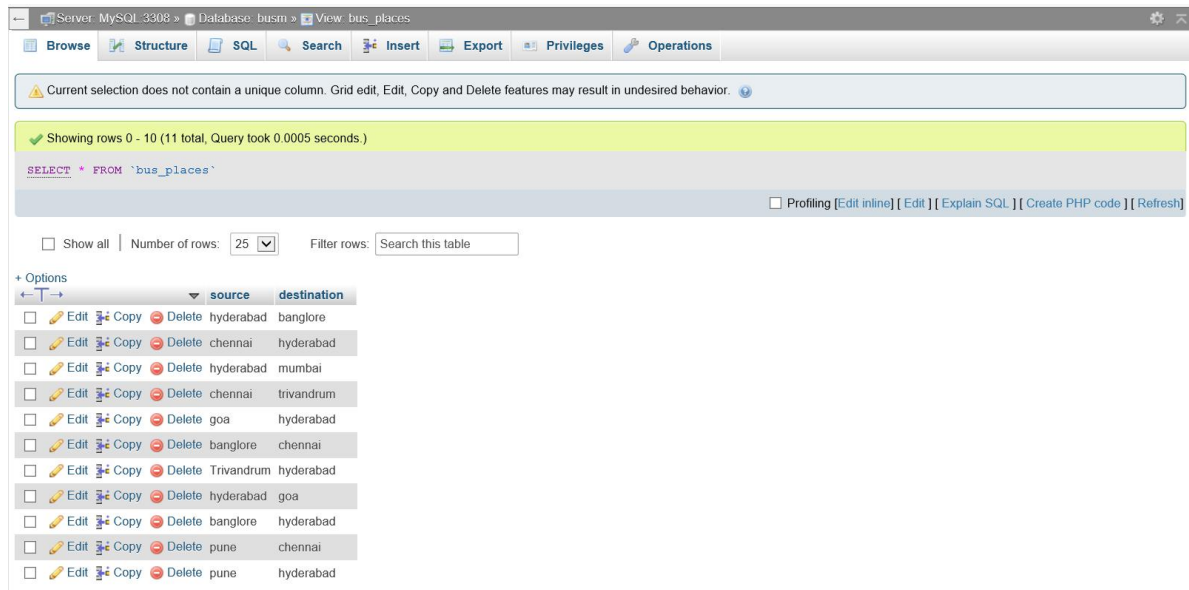


The screenshot shows the MySQL Workbench interface with the query results for the user_login view. The query is: `SELECT * FROM `user_login``. The results show three rows with the following data:

username	password
adithi	123
charitha	xyz
dhriti	xyz

2) bus_places : Shows all the to and from places travelled by the buses.

```
CREATE VIEW `bus_places` (source, destination)  
AS SELECT bus_source, bus_dest FROM bus_details ;
```



3) bus_driver : Shows the driver assigned to the bus with his contact number.

**CREATE VIEW `bus_driver` (firstname, phone1, bus_no)
AS SELECT firstname,phone1,bus_no FROM
employee_details,bus_assign WHERE employee_details.id =
bus_assign.employee_no ;**

