

UE20CS301

DATABASE MANAGEMENT SYSTEMS

LAB 04

Task 1 :

1) 2)

```
MySQL 8.0 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 21
Server version: 8.0.30 MySQL Community Server - GPL

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> LOAD DATA INFILE "C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/FareTable.csv"
-> INTO TABLE fare
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DATE INFILE "C:/P
rogramData/MySQL/MySQL Server 8.0/Uploads/FareTable.csv"
INTO T' at line 1
mysql> LOAD DATA INFILE "C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/FareTable.csv" INTO TABLE PES1UG20CS490_fare
->
-> COLUMNS TERMINATED BY ','
-> OPTIONALLY ENCLOSED BY '"'
-> ESCAPED BY '"'
-> LINES TERMINATED BY '\n'
-> IGNORE 1 LINES;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DATE INFILE "C:/P
rogramData/MySQL/MySQL Server 8.0/Uploads/FareTable.csv" INTO T' at line 1
mysql> LOAD DATA INFILE "C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/FareTable.csv" INTO TABLE PES1UG20CS490_fare COLUMNS TERMINATED BY ',' OPTIONALLY ENCLOSED BY '"' ES
CAPED BY '"' LINES TERMINATED BY '\n' IGNORE 1 LINES;
ERROR 1046 (3D000): No database selected
mysql> use PES1UG20CS490_lab4
Database changed
mysql> LOAD DATA INFILE "C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/FareTable.csv" INTO TABLE PES1UG20CS490_fare COLUMNS TERMINATED BY ',' OPTIONALLY ENCLOSED BY '"' ES
CAPED BY '"' LINES TERMINATED BY '\n' IGNORE 1 LINES;
ERROR 1062 (23000): Duplicate entry 'I Class-SuperFast' for key 'pesiug20cs490_fare.PRIMARY'
mysql> select * from PES1UG20CS490_train_user;
```

user_id	user_type	firstname	lastname	age	dob	pincode	street_number
ADM_001	ADMIN	Narendra	Modi	NULL	1989-04-14	600047	Old Jail Road
ADM_002	ADMIN	Droupadi	Murmu	NULL	1990-04-14	640012	High Street
ADM_003	ADMIN	Manmohan	Singh	NULL	1991-04-08	575003	Pumpwell Road
USR_001	PSGR	Ajit	Ullal	NULL	1971-01-01	560001	10, Janpath

Varun Shankar Hoskere
PES1UG20CS490

```
MySQL 8.0 Command Line Client
ERROR 1062 (23000): Duplicate entry 'I Class-SuperFast' for key 'pesiug20cs490_fare.PRIMARY'
mysql> select * from PES1UG20CS490_train_user;
```

user_id	user_type	firstname	lastname	age	dob	pincode	street_number
ADM_001	ADMIN	Nanendra	Modi	NULL	1989-04-14	600047	Old Jail Road
ADM_002	ADMIN	Droupadi	Murmu	NULL	1990-04-14	640012	High Street
ADM_003	ADMIN	Mamohan	Singh	NULL	1991-04-08	575003	Pumpwell Road
USR_001	PSGR	Ajit	Ullal	NULL	1971-01-01	560001	10, Janpath
USR_002	PSGR	Muhammed	Ali	NULL	2000-10-09	560003	10, Downing
USR_003	PSGR	Sai Deepak	Reddy	NULL	1996-12-12	600001	14, Kailash Marg
USR_004	PSGR	Rudra	Agarwal	NULL	1996-12-13	600042	5, Lohia Garden
USR_005	PSGR	Rahul	Khanna	NULL	1997-12-14	600067	1, Pink Street
USR_006	PSGR	Nirmala	Seturaman	NULL	1998-12-15	560105	3, Blue Avenue
USR_007	PSGR	Smriti	Irani	NULL	1999-12-16	575014	4, Banyan Avenie
USR_008	PSGR	Ajit	Sethi	NULL	1966-04-14	575001	6, Poes Garden
USR_009	PSGR	Arjun	Allu	NULL	1967-04-08	575020	7, Dhamaka street
USR_010	PSGR	Samanta	Prabhu	NULL	1968-04-14	600042	8, Clone Colony
USR_011	PSGR	Kiran	Bedi	NULL	1969-04-14	560003	56, Brigade Road
USR_012	PSGR	Rahul	Gandhi	NULL	1970-04-08	475001	Mirza road
USR_013	PSGR	Rashkit	Shetty	NULL	1971-04-14	560009	JC Road
USR_014	PSGR	Rishi	Sunak	NULL	1972-04-14	600034	Anna Sali
USR_015	PSGR	Vedavalli	Srinath	NULL	1973-04-14	560054	Church Street, Bangalore
USR_016	PSGR	Subbu	Saravana	NULL	1974-04-14	600043	American Street
USR_017	PSGR	Sheela	Dixit	NULL	1975-04-08	560048	Kasturba Road
USR_018	PSGR	Margaret	Alva	NULL	1976-04-14	560008	New BEL Road
USR_019	PSGR	Arun	Kumar	NULL	1977-04-14	600046	Mint Street
USR_020	PSGR	Anshu	Bhardwaj	NULL	1978-04-14	575001	KSR Road
USR_021	PSGR	Suma	Sampat	NULL	1979-04-08	560012	Old Airport Road, Bangalore
USR_022	PSGR	Srinari	Udupa	NULL	1980-04-14	560015	Suranjan Das Road
USR_023	PSGR	Satish	Kotian	NULL	1981-04-14	600044	T Nagar
USR_024	PSGR	Shradha	Nayar	NULL	1982-04-08	560006	M G Road, Bangalore
USR_025	PSGR	Manisha	Solanki	NULL	1983-04-08	575030	M G Road
USR_026	PSGR	Bharti	Devgan	NULL	1984-04-14	560059	NAL Wind Tunnel Road
USR_027	PSGR	Roopa	Ram	NULL	1985-04-14	575023	Bunder Road
USR_028	PSGR	Pallavi	Ram	NULL	1986-04-08	560044	Lavelle Road
USR_029	PSGR	Ravi	Naik	NULL	1987-04-14	600045	Thiru V ka Salai
USR_030	PSGR	Virat	Murthy	NULL	1988-04-14	575011	Bejai New Road

33 rows in set (0.01 sec)

```
mysql>
```

3) 4) 5)

```
MySQL 8.0 Command Line Client
mysql> select * from PES1UG20CS490_route_info where distance>=70 and distance<=150;
```

from_station_no	to_station_no	from_station_name	to_station_name	distance	train_no
1	2	Mangaluru	Kannur	131	25260
4	1	Palakkad	Chennai	130	25260
1	2	Chennai	Palakkad	130	25261
3	4	Kannur	Mangaluru	131	25261
3	4	Mysore	Bengaluru	139	58450
1	2	Bengaluru	Mysore	139	58451
1	2	Chennai	Sholingur	90	62620
1	3	Chennai	Katpadi	129	62620
4	5	Bangarpet	Bengaluru	71	62620
1	2	Bengaluru	Bangarpet	71	62621
3	5	Katpadi	Chennai	130	62621
4	5	Sholingur	Chennai	90	62621

12 rows in set (0.00 sec)

```
mysql> select * from PES1UG20CS490_route_info where (from_station_name="Chennai" and to_station_name="Sholingur") or (from_station_name="Sholingur" and to_station_name="Chennai");
```

from_station_no	to_station_no	from_station_name	to_station_name	distance	train_no
1	2	Chennai	Sholingur	90	62620
2	5	Sholingur	Chennai	271	62620
4	5	Sholingur	Chennai	90	62621

3 rows in set (0.00 sec)

```
mysql> select * from PES1UG20CS490_train where train_type != "Mail";
```

train_no	train_name	train_type	source	destination	availability
58450	MAN-BEN Express	Fast	Mangaluru	Bengaluru	yes
58451	BEN-MAN Express	Fast	Bengaluru	Mangaluru	yes
62620	CHE-BEN Shatabdi	Superfast	Chennai	Bengaluru	No
62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes

4 rows in set (0.00 sec)

```
mysql>
```

6) 7) 8) 9)

Varun Shankar Hoskere
PES1UG20CS490

```
MySQL 8.0 Command Line Client
mysql> select train_name from PES1UG20CS490_train where source="Bengaluru" and destination="Chennai";
+-----+
| train_name |
+-----+
| BEN-CHE Shatabdi |
+-----+
1 row in set (0.00 sec)

mysql> select train_no,train_name,departure,departure_time from PES1UG20CS490_train natural join PES1UG20CS490_ticket where departure="Chennai" and departure_time="8:00:00";
+-----+
| train_no | train_name | departure | departure_time |
+-----+
| 25261 | Managaluru Mail | Chennai | 18:00:00 |
+-----+
1 row in set (0.00 sec)

mysql> select * from PES1UG20CS490_train_user where dob >= "1980-01-01" and dob < "1990-01-01";
+-----+
| user_id | user_type | firstname | lastname | age | dob | pincode | street_number |
+-----+
| ADM_001 | ADMIN | Narendra | Modi | NULL | 1989-04-14 | 600047 | Old Jail Road |
| USR_022 | PSGR | Srihari | Udupa | NULL | 1980-04-14 | 560015 | Suranjan Das Road |
| USR_023 | PSGR | Satish | Kotian | NULL | 1981-04-14 | 600044 | T Nagar |
| USR_024 | PSGR | Shradha | Nayar | NULL | 1982-04-08 | 560006 | M G Road, Bangalore |
| USR_025 | PSGR | Manisha | Solanki | NULL | 1983-04-08 | 575030 | M G Road |
| USR_026 | PSGR | Bharti | Devgan | NULL | 1984-04-14 | 560059 | NAL Wind Tunnel Road |
| USR_027 | PSGR | Roopa | Ram | NULL | 1985-04-14 | 575023 | Bunder Road |
| USR_028 | PSGR | Pallavi | Ram | NULL | 1986-04-08 | 560044 | Lavelle Road |
| USR_029 | PSGR | Ravi | Naik | NULL | 1987-04-14 | 600045 | Thiru V ka Salai |
| USR_030 | PSGR | Virat | Murthy | NULL | 1988-04-14 | 575011 | Bejai New Road |
+-----+
10 rows in set (0.00 sec)

mysql> select user_id,user_type,firstname,lastname,dob from PES1UG20CS490_train_user where dob >= "1980-01-01" and dob < "1990-01-01";
+-----+
| user_id | user_type | firstname | lastname | dob |
+-----+
| ADM_001 | ADMIN | Narendra | Modi | 1989-04-14 |
| USR_022 | PSGR | Srihari | Udupa | 1980-04-14 |
| USR_023 | PSGR | Satish | Kotian | 1981-04-14 |
| USR_024 | PSGR | Shradha | Nayar | 1982-04-08 |
| USR_025 | PSGR | Manisha | Solanki | 1983-04-08 |
+-----+
```

9) 10)

```
MySQL 8.0 Command Line Client
mysql> select user_id,user_type,firstname,lastname,dob from PES1UG20CS490_train_user where dob >= "1980-01-01" and dob < "1990-01-01";
+-----+
| user_id | user_type | firstname | lastname | dob |
+-----+
| ADM_001 | ADMIN | Narendra | Modi | 1989-04-14 |
| USR_022 | PSGR | Srihari | Udupa | 1980-04-14 |
| USR_023 | PSGR | Satish | Kotian | 1981-04-14 |
| USR_024 | PSGR | Shradha | Nayar | 1982-04-08 |
| USR_025 | PSGR | Manisha | Solanki | 1983-04-08 |
| USR_026 | PSGR | Bharti | Devgan | 1984-04-14 |
| USR_027 | PSGR | Roopa | Ram | 1985-04-14 |
| USR_028 | PSGR | Pallavi | Ram | 1986-04-08 |
| USR_029 | PSGR | Ravi | Naik | 1987-04-14 |
| USR_030 | PSGR | Virat | Murthy | 1988-04-14 |
+-----+
10 rows in set (0.00 sec)

mysql> select user_id,firstname,lastname from PES1UG20CS490_train_user where left(firstname, 1)='S';
+-----+
| user_id | firstname | lastname |
+-----+
| USR_003 | Sai Deepak | Reddy |
| USR_007 | Smriti | Irani |
| USR_010 | Samanta | Prabhu |
| USR_016 | Subbu | Saravana |
| USR_017 | Sheela | Dixit |
| USR_021 | Suma | Sampat |
| USR_022 | Srihari | Udupa |
| USR_023 | Satish | Kotian |
| USR_024 | Shradha | Nayar |
+-----+
9 rows in set (0.00 sec)

mysql> select train_number, compartment_type, availability from PES1UG20CS490_compartment where compartment_type="I Class" and train_number=62621;
+-----+
| train_number | compartment_type | availability |
+-----+
| 62621 | I Class | 6 |
+-----+
1 row in set (0.00 sec)

mysql>
```

11)

```
MySQL 8.0 Command Line Client

mysql> select pnr, transaction_no from PES1UG20S490_payment_info where bank="UNION BANK";
+-----+-----+
| pnr    | transaction_no |
+-----+-----+
| PNR012 |          243535 |
| PNR015 |          758900 |
| PNR010 |          867546 |
| PNR003 |          978776 |
+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

Task 2 :

```
MySQL 8.0 Command Line Client

mysql> create user varunSH@localhost identified by '696969';
Query OK, 0 rows affected (0.02 sec)

mysql> grant update, delete on table PES1UG20CS490_compartment to varunSH@localhost
-> ;
Query OK, 0 rows affected (0.00 sec)

mysql> system mysql -u varunSH -p;
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 22
Server version: 8.0.30 MySQL Community Server - GPL

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> select user();
+-----+
| user() |
+-----+
| varunSH@localhost |
+-----+
1 row in set (0.00 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| performance_schema |
| peslug20cs490_lab4 |
+-----+
3 rows in set (0.00 sec)

mysql> use peslug20cs490_lab4;
Database changed
mysql>
```

Varun Shankar Hoskere
PES1UG20CS490

```
MySQL 8.0 Command Line Client
Database
+-----+
| information_schema |
| performance_schema |
| pes1ug20cs490_lab4 |
+-----+
3 rows in set (0.00 sec)

mysql> use pes1ug20cs490_lab4;
Database changed
mysql> select * from PES1UG20CS490_compartment;
ERROR 1142 (42000): SELECT command denied to user 'varunSH'@'localhost' for table 'pes1ug20cs490_compartment'
mysql> grant insert, select on table PES1UG20CS490_compartment to varunSH@localhost;
ERROR 1142 (42000): SELECT, INSERT, GRANT command denied to user 'varunSH'@'localhost' for table 'pes1ug20cs490_compartment'
mysql> use pes1ug20cs490_lab4;
ERROR 1044 (42000): Access denied for user 'varunSH'@'localhost' to database 'pes1ug20cs490_lab4'
mysql> use pes1ug20cs490_lab4;
Database changed
mysql> grant insert, select on table PES1UG20CS490_compartment to varunSH@localhost;
ERROR 1142 (42000): SELECT, INSERT, GRANT command denied to user 'varunSH'@'localhost' for table 'pes1ug20cs490_compartment'
mysql> exit;
Bye
mysql> grant insert, delete on table PES1UG20CS490_compartment to varunSH@localhost;
Query OK, 0 rows affected (0.00 sec)

mysql> system varunSH -u varunSH -p
'varunSH' is not recognized as an internal or external command,
operable program or batch file.
mysql> system mysql -u varunSH -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 23
Server version: 8.0.30 MySQL Community Server - GPL

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> _
```

```
MySQL 8.0 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 24
Server version: 8.0.30 MySQL Community Server - GPL

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use PES1UG20CS490_lab4;
Database changed
mysql> select * from PES1UG20CS490_compartment;
+-----+-----+-----+-----+-----+
| compartment_no | compartment_type | capacity | availability | train_number |
+-----+-----+-----+-----+-----+
| F01            | I Class          | 16       | 0             | 25260         |
| F01            | I Class          | 16       | 0             | 25261         |
| F01            | I Class          | 16       | 4             | 58450         |
| F01            | I Class          | 16       | 5             | 58451         |
| F01            | I Class          | 16       | 15            | 62621         |
| F01            | I Class          | 16       | 6             | 62622         |
| F02            | I Class          | 16       | 0             | 62623         |
| G01            | III Class        | 60       | 33            | 25261         |
| G01            | III Class        | 60       | 2             | 58450         |
| G01            | III Class        | 60       | 40            | 58451         |
| G01            | III Class        | 60       | 10            | 62621         |
| G02            | III Class        | 60       | 45            | 25261         |
| G02            | III Class        | 60       | 12            | 62621         |
| S01            | II Class         | 30       | 15            | 25260         |
| S01            | II Class         | 30       | 15            | 25261         |
| S01            | II Class         | 30       | 5             | 58450         |
| S01            | II Class         | 30       | 4             | 62621         |
| S02            | II Class         | 30       | 17            | 25260         |
| S02            | II Class         | 30       | 3             | 58450         |
| S02            | II Class         | 30       | 6             | 62621         |
+-----+-----+-----+-----+-----+
20 rows in set (0.00 sec)

mysql> _
```

Varun Shankar Hoskere
PES1UG20CS490

```
MySQL 8.0 Command Line Client
+-----+-----+-----+-----+-----+
| G01   | III Class | 60   | 10  | 62621 |
| G02   | III Class | 60   | 45  | 25261 |
| G02   | III Class | 60   | 12  | 62621 |
| S01   | II Class  | 30   | 15  | 25260 |
| S01   | II Class  | 30   | 15  | 25261 |
| S01   | II Class  | 30   | 5   | 58450 |
| S01   | II Class  | 30   | 4   | 62621 |
| S02   | II Class  | 30   | 17  | 25260 |
| S02   | II Class  | 30   | 3   | 58450 |
| S02   | II Class  | 30   | 6   | 62621 |
+-----+-----+-----+-----+
20 rows in set (0.00 sec)

mysql> exit;
Bye
mysql> grant update, delete, insert select on table PES1UG20CS490_train to varunSH@localhost;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'select on table P
ES1UG20CS490_train to varunSH@localhost' at line 1
mysql> grant update, delete, insert select on table PES1UG20CS490_train to varunSH@localhost;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'select on table P
ES1UG20CS490_train to varunSH@localhost' at line 1
mysql> grant update, delete, insert, select on table PES1UG20CS490_train to varunSH@localhost;
Query OK, 0 rows affected (0.00 sec)

mysql> insert into table PES1UG20CS490_train values(1845, 'Hampu express', 'Superfast', 'Mysore', 'Hubli', 'Yes');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'table PES1UG20CS4
90_train values(1845, 'Hampu express', 'Superfast', 'Mysore', '' at line 1
mysql> insert into PES1UG20CS490_train values(1845, 'Hampi express', 'SuperFast', 'Mysore', 'Hubli', 'Yes');
Query OK, 1 row affected (0.00 sec)

mysql> select * from PES1UG20CS490_train where train_no="1845";
+-----+-----+-----+-----+-----+
| train_no | train_name | train_type | source | destination | availability |
+-----+-----+-----+-----+-----+
| 1845 | Hampi express | SuperFast | Mysore | Hubli | Yes |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> revoke update, delete on PES1UG20CS490_train from varunSH@localhost;
Query OK, 0 rows affected (0.01 sec)

mysql> system mysql -u varunSH -p
Enter password: *****
```

```
MySQL 8.0 Command Line Client
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> revoke update, delete on PES1UG20CS490_train from varunSH@localhost;
Query OK, 0 rows affected (0.01 sec)

mysql> system mysql -u varunSH -p
Enter password: *****
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 25
Server version: 8.0.30 MySQL Community Server - GPL

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> select user()
-> ;
+-----+
| user() |
+-----+
| varunSH@localhost |
+-----+
1 row in set (0.00 sec)

mysql> show grants for varunSH@localhost;
+-----+-----+-----+-----+-----+
| Grants for varunSH@localhost |
+-----+-----+-----+-----+-----+
| GRANT USAGE ON *.* TO `varunSH`@`localhost` |
| GRANT SELECT, INSERT, UPDATE, DELETE ON `pes1ug20cs490_lab4`.`pes1ug20cs490_compartment` TO `varunSH`@`localhost` |
| GRANT SELECT, INSERT ON `pes1ug20cs490_lab4`.`pes1ug20cs490_train` TO `varunSH`@`localhost` |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

Varun Shankar Hoskere
PES1UG20CS490

```
MySQL 8.0 Command Line Client
mysql
performance_schema
pes1ug20cs490_lab4
sakila
sys
world
-----
10 rows in set (0.00 sec)

mysql> use pes1ug20cs490_lab4;
Database changed
mysql> select * from PES1UG20CS490_train;
+-----+-----+-----+-----+-----+-----+
| train_no | train_name | train_type | source | destination | availability |
+-----+-----+-----+-----+-----+-----+
| 1845 | Hampi express | Superfast | Mysore | Hubli | Yes |
| 25260 | Chennai Mail | Mail | Mangaluru | Chennai | Yes |
| 25261 | Mangaluru Mail | Mail | Chennai | Mangaluru | Yes |
| 58450 | MAN-BEN Express | Fast | Mangaluru | Bengaluru | yes |
| 58451 | BEN-MAN Express | Fast | Bengaluru | Mangaluru | yes |
| 62620 | CHE-BEN Shatabdi | Superfast | Chennai | Bengaluru | No |
| 62621 | BEN-CHE Shatabdi | Superfast | Bengaluru | Chennai | yes |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> savepoint M28;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from PES1UG20CS490_train;
+-----+-----+-----+-----+-----+-----+
| train_no | train_name | train_type | source | destination | availability |
+-----+-----+-----+-----+-----+-----+
| 1845 | Hampi express | Superfast | Mysore | Hubli | Yes |
| 25260 | Chennai Mail | Mail | Mangaluru | Chennai | Yes |
| 25261 | Mangaluru Mail | Mail | Chennai | Mangaluru | Yes |
| 58450 | MAN-BEN Express | Fast | Mangaluru | Bengaluru | yes |
| 58451 | BEN-MAN Express | Fast | Bengaluru | Mangaluru | yes |
| 62620 | CHE-BEN Shatabdi | Superfast | Chennai | Bengaluru | No |
| 62621 | BEN-CHE Shatabdi | Superfast | Bengaluru | Chennai | yes |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql>
```

```
MySQL 8.0 Command Line Client

mysql> select * from PES1UG20CS490_train;
+-----+-----+-----+-----+-----+-----+
| train_no | train_name | train_type | source | destination | availability |
+-----+-----+-----+-----+-----+-----+
| 1845 | Hampi express | Superfast | Mysore | Hubli | Yes |
| 25260 | Chennai Mail | Mail | Mangaluru | Chennai | Yes |
| 25261 | Mangaluru Mail | Mail | Chennai | Mangaluru | Yes |
| 58450 | MAN-BEN Express | Fast | Mangaluru | Bengaluru | yes |
| 58451 | BEN-MAN Express | Fast | Bengaluru | Mangaluru | yes |
| 62620 | CHE-BEN Shatabdi | Superfast | Chennai | Bengaluru | No |
| 62621 | BEN-CHE Shatabdi | Superfast | Bengaluru | Chennai | yes |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> savepoint M69;
Query OK, 0 rows affected (0.00 sec)

mysql> insert into PES1UG20CS490_train values(2001, 'Hoskere express', 'Mail', 'Bengaluru', 'Delhi', 'Yes');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'insert into PES1UG20CS490_train values(2001, 'Hoskere express', 'Mail', 'Bengaluru' at line 1
mysql> insert into PES1UG20CS490_train values(2001, 'Hoskere express', 'Mail', 'Bengaluru', 'Delhi', 'Yes');
Query OK, 1 row affected (0.00 sec)

mysql> savepoint M70;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from PES1UG20CS490_train;
+-----+-----+-----+-----+-----+-----+
| train_no | train_name | train_type | source | destination | availability |
+-----+-----+-----+-----+-----+-----+
| 1845 | Hampi express | Superfast | Mysore | Hubli | Yes |
| 2001 | Hoskere express | Mail | Bengaluru | Delhi | Yes |
| 25260 | Chennai Mail | Mail | Mangaluru | Chennai | Yes |
| 25261 | Mangaluru Mail | Mail | Chennai | Mangaluru | Yes |
| 58450 | MAN-BEN Express | Fast | Mangaluru | Bengaluru | yes |
| 58451 | BEN-MAN Express | Fast | Bengaluru | Mangaluru | yes |
| 62620 | CHE-BEN Shatabdi | Superfast | Chennai | Bengaluru | No |
| 62621 | BEN-CHE Shatabdi | Superfast | Bengaluru | Chennai | yes |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

mysql>
```