

DBMS – UE20CS301 Lab

Lab 3

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1. Create Tables:



Server: MySQL:3306 » Database: mydb_pes2ug20cs389

Structure SQL Search Query Export Import Operations Privileges Routines Events Mor

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0064 seconds.)

```
CREATE TABLE Train (train_no int not null, train_name varchar(50) not null, train_type varchar(50) not null, dest varchar(50), src varchar(50), availability tinyint(1), PRIMARY KEY(train_no));
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0064 seconds.)

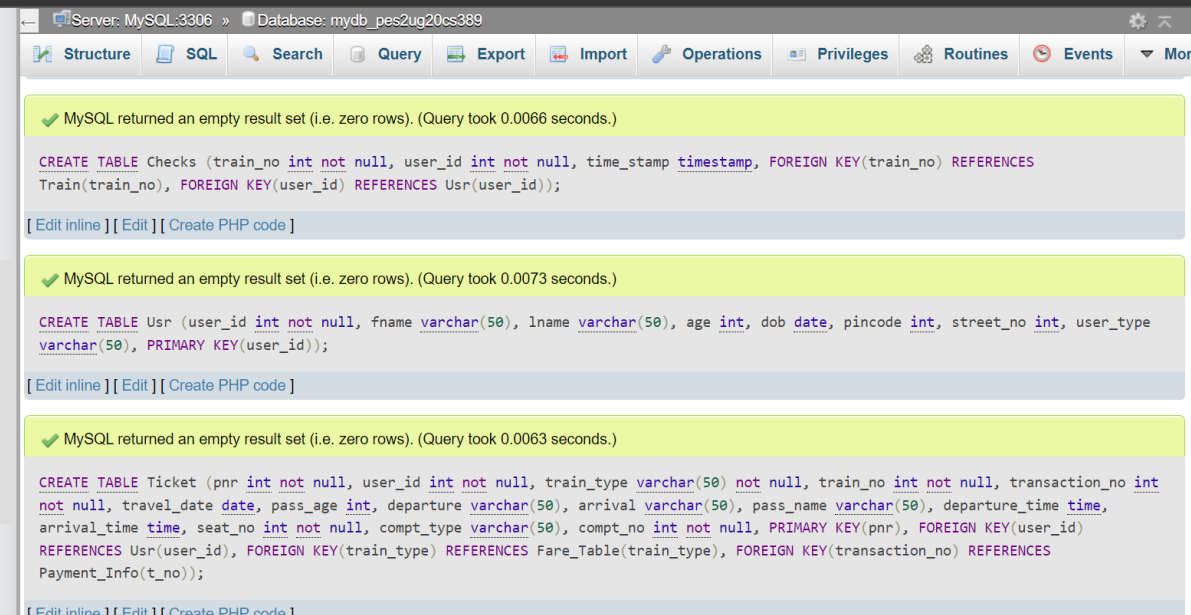
```
CREATE TABLE Route (train_no int not null, from_station_no int, from_station_name varchar(50), distance double, to_station_no int, to_station_name varchar(50), FOREIGN KEY(train_no) REFERENCES Train(train_no));
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0053 seconds.)

```
CREATE TABLE Compartment (compt_no int not null, train_no int not null, type varchar(50) not null, capacity int not null, availability tinyint(1) DEFAULT 1, PRIMARY KEY(compt_no), FOREIGN KEY(train_no) REFERENCES Train(train_no));
```

[Edit inline] [Edit] [Create PHP code]



Server: MySQL:3306 » Database: mydb_pes2ug20cs389

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✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0066 seconds.)

```
CREATE TABLE Checks (train_no int not null, user_id int not null, time_stamp timestamp, FOREIGN KEY(train_no) REFERENCES Train(train_no), FOREIGN KEY(user_id) REFERENCES Usr(user_id));
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0073 seconds.)

```
CREATE TABLE Usr (user_id int not null, fname varchar(50), lname varchar(50), age int, dob date, pincode int, street_no int, user_type varchar(50), PRIMARY KEY(user_id));
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0063 seconds.)

```
CREATE TABLE Ticket (pnr int not null, user_id int not null, train_type varchar(50) not null, train_no int not null, transaction_no int not null, travel_date date, pass_age int, departure varchar(50), arrival varchar(50), pass_name varchar(50), departure_time time, arrival_time time, seat_no int not null, compt_type varchar(50), compt_no int not null, PRIMARY KEY(pnr), FOREIGN KEY(user_id) REFERENCES Usr(user_id), FOREIGN KEY(train_type) REFERENCES Fare_Table(train_type), FOREIGN KEY(transaction_no) REFERENCES Payment_Info(t_no));
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0066 seconds.)

```
CREATE TABLE Fare_Table (train_type varchar(50), fare_per_km double not null, compt_type varchar(50), PRIMARY KEY(train_type));
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0058 seconds.)

```
CREATE TABLE Payment_Info (t_no int not null, pnr int not null, price double not null, card_no int, bank varchar(50), PRIMARY KEY(t_no), FOREIGN KEY(pnr) REFERENCES Ticket(pnr));
```

[Edit inline] [Edit] [Create PHP code]

2. Alter Table:

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0017 seconds.)

```
ALTER TABLE route RENAME route_info;
```

[Edit inline] [Edit] [Create PHP code]

3. Creating View:

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0033 seconds.)

```
CREATE VIEW passenger AS SELECT fname, lname, age, dob FROM usr WHERE user_type = "passenger";
```

[Edit inline] [Edit] [Create PHP code]

4. Truncate Table:

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0010 seconds.)

```
TRUNCATE route_info;
```

[Edit inline] [Edit] [Create PHP code]

5. Drop Table:

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0009 seconds.)

```
DROP TABLE route_info;
```

[Edit inline] [Edit] [Create PHP code]