DBMS

LAB – 4

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TASK – 1

1. A. Inserting values into TRAIN\_385 table using load command.

Code :

LOAD DATA INFILE "C:\\xampp\\mysql\\data\\My\_DB\\Data\_Railway\_Reservation\_Train.csv" INTO TABLE TRAIN\_385

COLUMNS TERMINATED BY ','

OPTIONALLY ENCLOSED BY '"'

ESCAPED BY '"'

LINES TERMINATED BY '\n'

IGNORE 1 LINES;

B. Using INSERT INTO USER\_385 command.

INSERT INTO USER\_385 (User\_ID, User\_Type, FName, LName, Age, DOB, PinCode, Street) VALUES

('USR\_001', 'PSGR',   'Ajit',   'Ullal',    NULL,   1971-01-01, 560001, '10 Janpath'),

('USR\_002', 'PSGR', 'Muhammed',     'Ali',  NULL,   09-10-2000, 560003, '10 Downing'),

('USR\_003', 'PSGR', 'Sai Deepak',   'Reddy',    NULL,   12-12-1996, 600001, '14 Kailsh Marg'),

('USR\_004', 'PSGR', 'Rudra',    'Agarwal',  NULL,   13-12-1996, 600042, '5 Lohia Garden'),

('USR\_005', 'PSGR', 'Rahul',    'Khanna',   NULL,   14-12-1997, 600067, '1 Pink Street'),

('USR\_006', 'PSGR', 'Nirmala',  'Seturaman',    NULL,   15-12-1998, 560105, '3 Blue Avenue'),

('USR\_007', 'PSGR', 'Smriti',   'Irani',    NULL,   16-12-1999, 575014, '4 Banyan Avenie'),

('USR\_008', 'PSGR', 'Ajit', 'Sethi',    NULL,   14-04-1966, 575001, '6 Poes Garden'),

('USR\_009', 'PSGR', 'Arjun',    'Allu', NULL,   08-04-1967, 575020, '7 Dhamaka street'),

('USR\_010', 'PSGR', 'Samanta',  'Prabhu',   NULL,   14-04-1968, 600042, '8 Clone Colony'),

('USR\_011', 'PSGR', 'Kiran',    'Bedi', NULL,   14-04-1969, 560003, '56 Brigade Road'),

('USR\_012', 'PSGR', 'Rahul',    'Gandhi',   NULL,   08-04-1970, 475001, 'Mirza road'),

('USR\_013', 'PSGR', 'Rashkit',  'Shetty',   NULL,   14-04-1971, 560009, 'JC Road'),

('USR\_014', 'PSGR', 'Rishi',    'Sunak',    NULL,   14-04-1972, 600034, 'Anna Sali'),

('USR\_015', 'PSGR', 'Vedavalli',    'Srinath',  NULL,   14-04-1973, 560054, 'Church Street Bangalore'),

('USR\_016', 'PSGR', 'Subbu',    'Saravana', NULL,   14-04-1974, 600043, 'American Street'),

('USR\_017', 'PSGR', 'Sheela',   'Dixit',    NULL,   08-04-1975, 560048, 'Kasturba Road'),

('USR\_018', 'PSGR', 'Margaret', 'Alva', NULL,   14-04-1976, 560008, 'New BEL Road'),

('USR\_019', 'PSGR', 'Arun', 'Kumar',    NULL,   14-04-1977, 600046, 'Mint Street'),

('USR\_020', 'PSGR', 'Anshu',    'Bhardwaj', NULL,   14-04-1978, 575001, 'KSR Road'),

('USR\_021', 'PSGR', 'Suma', 'Sampat',   NULL,   08-04-1979, 560012, 'Old Airport Road Bangalore'),

('USR\_022', 'PSGR', 'Srihari',  'Udupa',    NULL,   14-04-1980, 560015, 'Suranjan Das Road'),

('USR\_023', 'PSGR', 'Satish',   'Kotian',   NULL,   14-04-1981, 600044, 'T Nagar'),

('USR\_024', 'PSGR', 'Shradha',  'Nayar',    NULL,   08-04-1982, 560006, 'M G Road Bangalore'),

('USR\_025', 'PSGR', 'Manisha',  'Solanki',  NULL,   08-04-1983, 575030, 'M G Road'),

('USR\_026', 'PSGR', 'Bharti',   'Devgan',   NULL,   14-04-1984, 560059, 'NAL Wind Tunnel Road'),

('USR\_027', 'PSGR', 'Roopa',    'Ram    ',NULL, 14-04-1985, 575023, 'Bunder Road'),

('USR\_028', 'PSGR', 'Pallavi',  'Ram',  NULL,   08-04-1986, 560044, 'Lavelle Road'),

('USR\_029', 'PSGR', 'Ravi', 'Naik', NULL,   14-04-1987, 600045, 'Thiru V ka Salai'),

('USR\_030', 'PSGR', 'Virat',    'Murthy',   NULL,   14-04-1988, 575011, 'Bejai New Road'),

('ADM\_001', 'ADMIN',    'Narendra',     'Modi', NULL,   14-04-1989, 600047, 'Old Jail Road'),

('ADM\_002', 'ADMIN',    'Droupadi', 'Murmu',    NULL,   14-04-1990, 640012, 'High Street'),

('ADM\_003', 'ADMIN',    'Manmohan',     'Singh',    NULL,   08-04-1991, 575003, 'Pumpwell Road');

1. Calculate and update age in USER\_385 table.

UPDATE user\_385 set Age = DATE\_FORMAT(FROM\_DAYS(DATEDIFF(NOW(), DOB)), '%Y') + 0;

SELECT \* FROM user\_385;

1. Display all the route information whose distance falls in a range from 70 to 150 km.

SELECT \* FROM route\_info\_385 WHERE Distance > 70 AND Distance < 150;

1. Display the train route information which are run between Chennai and Sholingur.

SELECT \* FROM route\_info\_385 WHERE (From\_Station\_name = 'Chennai' AND To\_Station\_Name = 'Sholingur') OR (From\_Station\_name = 'Sholingur' AND To\_Station\_Name = 'Chennai');

1. Display the train details whose type is not mail.

SELECT \* FROM `train\_385` WHERE train\_type != 'Mail';

1. Display the train name which goes to Chennai from Bangalore.

SELECT Name, Source, Destination FROM train\_385 WHERE Source = 'Bengaluru' AND Destination = 'Chennai';

1. Display the list of trains starting from Chennai after 8:00.

SELECT Train\_No, Departure, Arrival, Departure\_Time, Arrival\_Time, Train\_Type FROM ticket\_385 WHERE (Departure = 'Chennai' AND Departure\_Time > '08:00:00');

1. Display the list of users who are born between 1980 to 1990.

SELECT \* FROM user\_385 WHERE DOB BETWEEN '1980-01-01' AND '1990-12-31';

1. Display the train users whose name starts with the letter ‘S’

SELECT \* FROM `user\_385` WHERE FName LIKE 's%' OR 'S%';

1. Find the availability of I Class compartment of the train number 62621

SELECT \* FROM compartment\_385 WHERE Compartment\_Type = 'I Class' AND Train\_No = '62621';

1. Find the PNR and Transaction ID of the users who made payment via Union Bank.

SELECT PNR, Transaction\_id FROM payment\_info\_385 WHERE Bank = 'Union Bank';