# PRACTICAL - 2

## SUBMITTED BY: AIMAN SIDDIQUA - 2K18/MC/008

## PASSENGER TABLE

### Creating the table:

```
mysql> create table passenger (
    -> passenger_id int not null,
    -> first_name varchar(25),
    -> last_name varchar(25),
    -> phone_no varchar(10),
    -> primary key(passenger_id)
    -> );
Query OK, 0 rows affected (0.15 sec)
```

```
mysql> describe passenger;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| passenger_id | int(11)     | NO   | PRI | NULL    |       |
| first_name   | varchar(25) | YES  |     | NULL    |       |
| last_name    | varchar(25) | YES  |     | NULL    |       |
| phone_no     | varchar(10) | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
4 rows in set (0.02 sec)
```

### Inserting values into the table:

```
mysql> insert into passenger values(12008, 'Aiman', 'Siddiqua', 9876453828);
Query OK, 1 row affected (0.13 sec)
```

### Displaying the entire table:

```
mysql> select * from passenger;
+--------------+------------+-----------+-------------+
| passenger_id | first_name | last_name | phone_no    |
+--------------+------------+-----------+-------------+
|        12008 | Aiman      | Siddiqua  | 9876453828  |
|        12009 | Akanksha   | Dhayani   | 8802391657  |
|        12010 | Aksht      | Jain      | 9716710426  |
|        12011 | Amogh      | Diwan     | 9818648313  |
|        12012 | Apoorva    | Srivastav | 8806496492  |
|        12013 | Ansh       | Aggarwal  | 9173963819  |
|        12014 | Abhishek   | Ralhan    | 8764017589  |
|        12016 | Anikait    | Gupta     | 8371937492  |
|        12015 | Anirudh    | Awasthi   | 8163917391  |
|        12017 | Aryan      | Bhardwaj  | 9818163971  |
+--------------+------------+-----------+-------------+
10 rows in set (0.12 sec)
```

## TICKET TABLE

**Creating the table :**

```
mysql> create table ticket(
    -> ticket_no int not null,
    -> date date,
    -> passenger_id int,
    -> flight_no int
    -> );
Query OK, 0 rows affected (0.12 sec)
```

```
mysql> describe ticket;
+--------------+----------+------+-----+---------+-------+
| Field        | Type     | Null | Key | Default | Extra |
+--------------+----------+------+-----+---------+-------+
| ticket_no    | int(11)  | NO   | PRI | NULL    |       |
| date         | date     | YES  |     | NULL    |       |
| passenger_id | int(11)  | YES  |     | NULL    |       |
| flight_no    | int(11)  | YES  |     | NULL    |       |
+--------------+----------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

**Inserting values into the table:**

```
mysql> insert into ticket values(2829, '2021-02-02', 12008, 961001);
Query OK, 1 row affected (0.00 sec)
```

**Displaying the entire table:**

```
mysql> select * from ticket;
+-----------+------------+--------------+-----------+
| ticket_no | date       | passenger_id | flight_no |
+-----------+------------+--------------+-----------+
|      2829 | 2021-02-02 |        12008 |    961001 |
|      2867 | 2021-02-08 |        12009 |    961003 |
|      2845 | 2021-02-05 |        12010 |    961001 |
|      2832 | 2021-02-11 |        12015 |    961007 |
|      2830 | 2021-03-07 |        12017 |    961003 |
|      2857 | 2021-04-17 |        12011 |    961007 |
|      2848 | 2021-03-22 |        12013 |    961004 |
|      2855 | 2021-02-26 |        12016 |    961001 |
|      2839 | 2021-04-01 |        12012 |    961007 |
|      2843 | 2021-03-30 |        12014 |    961003 |
+-----------+------------+--------------+-----------+
10 rows in set (0.00 sec)
```

## FLIGHT TABLE

**Creating the table:**

```
mysql> create table flight (
    -> flight_no int not null,
    -> source varchar(15),
    -> destination varchar(15),
    -> aircraft_type varchar(25),
    -> route_id int,
    -> primary key(flight_no)
    -> );
Query OK, 0 rows affected (0.26 sec)
```

```
mysql> describe flight;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| flight_no    | int(11)     | NO   | PRI | NULL    |       |
| source       | varchar(15) | YES  |     | NULL    |       |
| destination  | varchar(15) | YES  |     | NULL    |       |
| aircraft_type| varchar(25) | YES  |     | NULL    |       |
| route_id     | int(11)     | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

**Inserting values into the table:**

```
mysql> insert into flight values(961003, 'Delhi', 'Goa', 'Boeing 747SP', 218);
Query OK, 1 row affected (0.00 sec)
```

**Displaying the entire table:**

```
mysql> select * from flight;
+-----------+-----------+-------------+------------------------+----------+
| flight_no | source    | destination | aircraft_type          | route_id |
+-----------+-----------+-------------+------------------------+----------+
|    961003 | Delhi     | Goa         | Boeing 747SP           |      218 |
|    961007 | Mumbai    | Paris       | Airbus A330-200        |      224 |
|    961001 | Bangalore | New York    | Douglas DC-9-50        |      215 |
|    961004 | Kolkata   | Chandigarh  | Airbus A330-200        |      213 |
|    961006 | Delhi     | Tokyo       | Embraer E195-E2        |      227 |
|    961002 | Toronto   | Chennai     | Douglas DC-9-50        |      216 |
|    961009 | Agra      | Raipur      | Embraer E195-E2        |      221 |
|    961014 | Pune      | Patna       | Boeing 747SP           |      229 |
|    961005 | Abu Dhabi | Mumbai      | Airbus A330-200        |      219 |
|    961012 | Goa       | Jaipur      | McDonnell Douglas MD-90|      211 |
+-----------+-----------+-------------+------------------------+----------+
10 rows in set (0.00 sec)
```

# ROUTE TABLE

**Creating the table:**

```
mysql> create table route(
    -> route_id int not null,
    -> domestic_continental varchar(15),
    -> tariff decimal,
    -> fare_range decimal,
    -> primary key(route_id)
```

```
    -> );
Query OK, 0 rows affected (0.11 sec)
```

```
mysql> describe route;
+---------------------+---------------+------+-----+---------+-------+
| Field               | Type          | Null | Key | Default | Extra |
+---------------------+---------------+------+-----+---------+-------+
| route_id            | int(11)       | NO   | PRI | NULL    |       |
| domestic_continental| varchar(15)   | YES  |     | NULL    |       |
| tariff              | decimal(10,0) | YES  |     | NULL    |       |
| fare_range          | decimal(10,0) | YES  |     | NULL    |       |
+---------------------+---------------+------+-----+---------+-------+
4 rows in set (0.11 sec)
```

**Inserting values into the table:**

```
mysql> insert into route values(213, 'domestic', 301, 5000);
Query OK, 1 row affected, 1 warning (0.02 sec)
```

**Displaying the entire table:**

```
mysql> select * from route;
+----------+----------------------+--------+------------+
| route_id | domestic_continental | tariff | fare_range |
+----------+----------------------+--------+------------+
|      213 | domestic             |    301 |       5000 |
|      219 | continental          |    295 |       9300 |
|      215 | continental          |    330 |      15700 |
|      221 | domestic             |    282 |       6400 |
|      218 | domestic             |    310 |       5900 |
|      216 | continental          |    348 |      17800 |
|      227 | continental          |    335 |      16200 |
|      211 | domestic             |    275 |       4800 |
|      224 | continental          |    316 |      17300 |
|      229 | domestic             |    296 |       7300 |
+----------+----------------------+--------+------------+
10 rows in set (0.00 sec)
```

## Entire Database:

```
mysql> use airline;
Database changed
mysql> show tables;
+-------------------+
| Tables_in_airline |
+-------------------+
| flight            |
| passenger         |
| route             |
| ticket            |
+-------------------+
4 rows in set (0.00 sec)
```