**DATA DEFINITION LANGUAGE**

**CREATE**

CREATE TABLE Airline

(

name varchar(20) NOT NULL,

year\_founded int,

lounge varchar(30),

hub varchar(20),

registration\_no int NOT NULL,

PRIMARY KEY (registration\_no)

);

CREATE TABLE Airplane

(

type varchar(20) NOT NULL,

model\_no int AUTO\_INCREMENT,

airspeed int NOT NULL,

weight int NOT NULL,

reg\_no int,

PRIMARY KEY(model\_no),

CONSTRAINT regconstraint

FOREIGN KEY(reg\_no) REFERENCES Airline(registration\_no)

on delete set null on update cascade

);

CREATE TABLE Employee

(

name varchar(20) NOT NULL,

gender varchar(6) NOT NULL,

salary int,

CHECK(salary>0),

work\_exp int,

address varchar(50),

contact\_no int,

designation varchar(20),

ssn int NOT NULL,

reg\_no1 int,

PRIMARY KEY(ssn),

FOREIGN KEY(reg\_no1) REFERENCES Airline(registration\_no),

CHECK (gender='Male' OR gender='Female')

);

CREATE TABLE Customer

(

fname varchar(10) NOT NULL,

mname varchar(10) NOT NULL,

lname varchar(10) NOT NULL,

b\_date Date,

ticket\_no varchar(20) NOT NULL,

reg\_no2 int,

PRIMARY KEY(ticket\_no),

FOREIGN KEY(reg\_no2) REFERENCES Airline(registration\_no)

);

CREATE TABLE contact\_no

(

ticket\_no varchar(20) NOT NULL,

contact int,

PRIMARY KEY(ticket\_no,contact),

FOREIGN KEY(ticket\_no) REFERENCES Customer(ticket\_no)

);

CREATE TABLE Frequent\_Flyer

(

card\_id int NOT NULL,

premium\_class varchar(20),

ticket\_no varchar(20),

PRIMARY KEY(ticket\_no),

FOREIGN KEY(ticket\_no) REFERENCES Customer(ticket\_no)

);

CREATE TABLE Non\_Frequent\_Flyer

(

voucher\_id int,

ticket\_no varchar(20),

PRIMARY KEY(ticket\_no),

FOREIGN KEY(ticket\_no) REFERENCES Customer(ticket\_no)

);

**ALTER**

**Adding New Columns**

ALTER TABLE Customer

ADD (email\_id varchar(20));

**Modifying Existing Table**

ALTER TABLE Employee

MODIFY gender varchar(10);

**Dropping a Column from the Table**

ALTER TABLE Employee

DROP COLUMN address;

**Renaming Existing Table**

ALTER TABLE Customer RENAME New\_Customer;

**RENAME**

RENAME TABLE New\_Customer to Customer;

**DROP**

DROP TABLE Customer;

**TRUNCATE**

TRUNCATE TABLE Employee;

**SHOW**

SHOW TABLES;

mysql> show tables;

+--------------------+

| Tables\_in\_airline |

+--------------------+

| airline |

| airplane |

| contact\_no |

| customer |

| employee |

| frequent\_flyer |

| non\_frequent\_flyer |

+--------------------+

7 rows in set (0.01 sec)

**DESCRIBE**

DESCRIBLE AIRPLANE;

mysql> describe airplane;

+----------+-------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+----------+-------------+------+-----+---------+----------------+

| type | varchar(20) | NO | | NULL | |

| model\_no | int(11) | NO | PRI | NULL | auto\_increment |

| airspeed | int(11) | NO | | NULL | |

| weight | int(11) | NO | | NULL | |

| reg\_no | int(11) | YES | MUL | NULL | |

+----------+-------------+------+-----+---------+----------------+

5 rows in set (0.02 sec)