Enter password: \*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 8

Server version: 8.0.23 MySQL Community Server - GPL

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owners.

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

mysql> create database abc\_airlines\_case\_study;

Query OK, 1 row affected (0.09 sec)

mysql> show databases;

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

| Database |

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

| abc\_airlines\_case\_study |

| information\_schema |

| mynodedb |

| mysql |

| performance\_schema |

| proj\_db |

| sakila |

| sys |

| world |

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

9 rows in set (0.07 sec)

mysql> use abc\_airlines\_case\_study;

Database changed

mysql> create table customer(c\_id int primary key, c\_name varchar(20));

Query OK, 0 rows affected (0.23 sec)

mysql> alter table customer add(f\_id int foreign key,baggage float,f\_fare float);

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 'foreign key,baggage float,f\_fare float)' at line 1

mysql> create table flights(f\_id int primary key, f\_capacity int,no\_of\_seats\_booked int,no\_of\_seats\_available int,f\_timing datetime);

Query OK, 0 rows affected (0.15 sec)

mysql> alter table flight add(f\_fare float);

ERROR 1146 (42S02): Table 'abc\_airlines\_case\_study.flight' doesn't exist

mysql> alter table flights add(f\_fare float);

Query OK, 0 rows affected (0.15 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc customer;

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

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

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

| c\_id | int | NO | PRI | NULL | |

| c\_name | varchar(20) | YES | | NULL | |

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

2 rows in set (0.05 sec)

mysql> desc flights;

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

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

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

| f\_id | int | NO | PRI | NULL | |

| f\_capacity | int | YES | | NULL | |

| no\_of\_seats\_booked | int | YES | | NULL | |

| no\_of\_seats\_available | int | YES | | NULL | |

| f\_timing | datetime | YES | | NULL | |

| f\_fare | float | YES | | NULL | |

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

6 rows in set (0.04 sec)

mysql> alter table customer add(f\_id int foreign key references flights(f\_id),baggage float,f\_timing datetime foreign key references flights(f\_timing));

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 'foreign key references flights(f\_id),baggage float,f\_timing datetime foreign key' at line 1

mysql> alter table customer add(f\_id int foreign key references flights(f\_id),baggage float,f\_timing datetime);

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 'foreign key references flights(f\_id),baggage float,f\_timing datetime)' at line 1

mysql> alter table customer add(f\_id int foreign key references flights(f\_id),baggage float);

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 'foreign key references flights(f\_id),baggage float)' at line 1

mysql> alter table customer add(f\_id int foreign key(f\_id) references flights(f\_id),baggage float);

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 'foreign key(f\_id) references flights(f\_id),baggage float)' at line 1

mysql> alter table customer add(f\_id int,baggage float,foreign key (f\_id) references flights(f\_id));

Query OK, 0 rows affected (0.30 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc customer;

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

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

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

| c\_id | int | NO | PRI | NULL | |

| c\_name | varchar(20) | YES | | NULL | |

| f\_id | int | YES | MUL | NULL | |

| baggage | float | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> create table booking(c\_id int,f\_id int,amt\_paid float,foreign key(c\_id) references customer(c\_id),foreign key (f\_id) references flights(f\_id));

Query OK, 0 rows affected (0.23 sec)

mysql> desc booking;

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

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

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

| c\_id | int | YES | MUL | NULL | |

| f\_id | int | YES | MUL | NULL | |

| amt\_paid | float | YES | | NULL | |

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

3 rows in set (0.05 sec)

mysql> alter table booking drop column amt\_paid;

Query OK, 0 rows affected (0.29 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc booking;

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

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

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

| c\_id | int | YES | MUL | NULL | |

| f\_id | int | YES | MUL | NULL | |

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

2 rows in set (0.05 sec)

mysql> alter table booking add b\_status boolean);

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 ')' at line 1

mysql> alter table booking add b\_status boolean;

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc booking;

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

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

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

| c\_id | int | YES | MUL | NULL | |

| f\_id | int | YES | MUL | NULL | |

| b\_status | tinyint(1) | YES | | NULL | |

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

3 rows in set (0.04 sec)

mysql> create table billing(c\_id int,f\_id int,amt\_paid boolean)

-> ;

Query OK, 0 rows affected (0.16 sec)

mysql> desc billing;

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

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

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

| c\_id | int | YES | | NULL | |

| f\_id | int | YES | | NULL | |

| amt\_paid | tinyint(1) | YES | | NULL | |

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

3 rows in set (0.05 sec)

mysql> alter table booking add seat\_no int primary key;

Query OK, 0 rows affected (0.26 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc booking;

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

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

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

| c\_id | int | YES | MUL | NULL | |

| f\_id | int | YES | MUL | NULL | |

| b\_status | tinyint(1) | YES | | NULL | |

| seat\_no | int | NO | PRI | NULL | |

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

4 rows in set (0.01 sec)

mysql> alter table billing add seat\_no int foreign key references booking(seat\_no);

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 'foreign key references booking(seat\_no)' at line 1

mysql> alter table billing add seat\_no int foreign key(seat\_no) references booking(seat\_no);

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 'foreign key(seat\_no) references booking(seat\_no)' at line 1

mysql> alter table billing add seat\_no int, foreign key(seat\_no) references booking(seat\_no);

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 'foreign key(seat\_no) references booking(seat\_no)' at line 1

mysql> alter table billing add seat\_no int;

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table billing add foreign key(seat\_no) references booking(seat\_no);

Query OK, 0 rows affected (0.30 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc billing;

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

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

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

| c\_id | int | YES | | NULL | |

| f\_id | int | YES | | NULL | |

| amt\_paid | tinyint(1) | YES | | NULL | |

| seat\_no | int | YES | MUL | NULL | |

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

4 rows in set (0.04 sec)

mysql> alter table billing add foreign key(c\_id) references customer(c\_id);

Query OK, 0 rows affected (0.30 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table billing add foreign key(f\_id) references flights(f\_id);

Query OK, 0 rows affected (0.30 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc billing;

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

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

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

| c\_id | int | YES | MUL | NULL | |

| f\_id | int | YES | MUL | NULL | |

| amt\_paid | tinyint(1) | YES | | NULL | |

| seat\_no | int | YES | MUL | NULL | |

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

4 rows in set (0.01 sec)

mysql> desc booking;

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

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

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

| c\_id | int | YES | MUL | NULL | |

| f\_id | int | YES | MUL | NULL | |

| b\_status | tinyint(1) | YES | | NULL | |

| seat\_no | int | NO | PRI | NULL | |

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

4 rows in set (0.04 sec)

mysql> desc customer;

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

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

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

| c\_id | int | NO | PRI | NULL | |

| c\_name | varchar(20) | YES | | NULL | |

| f\_id | int | YES | MUL | NULL | |

| baggage | float | YES | | NULL | |

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

4 rows in set (0.01 sec)

mysql> desc flights;

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

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

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

| f\_id | int | NO | PRI | NULL | |

| f\_capacity | int | YES | | NULL | |

| no\_of\_seats\_booked | int | YES | | NULL | |

| no\_of\_seats\_available | int | YES | | NULL | |

| f\_timing | datetime | YES | | NULL | |

| f\_fare | float | YES | | NULL | |

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

6 rows in set (0.05 sec)

mysql> ^C

mysql> use abc\_airlines\_case\_study;

Database changed

mysql>