**1.**mysql> create table sailor(SID int,NAME varchar(20),DOB date,GENDER char(10)

);

Query OK, 0 rows affected (0.02 sec)

**2.** mysql> create table boat(BID int, BTYPE varchar(20),COLOR varchar(20));

Query OK, 0 rows affected (0.03 sec)

**3.** mysql> alter table sailor modify NAME varchar(25) not null;

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

**4.** mysql> alter table boat add BNAME varchar(20) unique key after BTYPE;

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc boat;

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

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

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

| BID | int | YES | | NULL | |

| BTYPE | varchar(20) | YES | | NULL | |

| BNAME | varchar(20) | YES | UNI | NULL | |

| COLOR | varchar(20) | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql>

**5.** mysql> alter table sailor modify SID int primary key auto\_increment;

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc sailor;

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

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

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

| SID | int | NO | PRI | NULL | auto\_increment |

| NAME | varchar(25) | NO | | NULL | |

| DOB | date | YES | | NULL | |

| GENDER | char(10) | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql>

**6**. insert into sailor values("ramasamy","2023-04-21","male"),("karuppasamy","2022-03-23","male"),("kumarasamy","2001-02-26","male");

Query OK, 3 rows affected (0.02 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from sailor;

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

| SID | NAME | DOB | GENDER |

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

| 1 | ramasamy | 2023-04-21 | male |

| 2 | karuppasamy | 2022-03-23 | male |

| 3 | kumarasamy | 2001-02-26 | male |

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

3 rows in set (0.00 sec)

mysql>

**7.** mysql> insert into boat values(01,"numberOne","boatnice","redcolor"),(02,"numberTwo","boatpavam","bluecolor");

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from boat;

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

| BID | BTYPE | BNAME | COLOR |

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

| 1 | numberOne | boatnice | redcolor |

| 2 | numberTwo | boatpavam | bluecolor |

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

2 rows in set (0.00 sec)

mysql>

**8.** mysql> alter table sailor modify SID int primary key auto\_increment;

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc sailor;

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

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

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

| SID | int | NO | PRI | NULL | auto\_increment |

| NAME | varchar(25) | NO | | NULL | |

| DOB | date | YES | | NULL | |

| GENDER | char(10) | YES | | NULL | |

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

4 rows in set (0.00 sec)

**9.**mysql> create table sails(sid int,foreign key(sid) references sailor(sid),bid int,foreign key(bid) references boat(bid),dot date,shift char );

Query OK, 0 rows affected (0.02 sec)

mysql> desc sails;

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

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

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

| sid | int | YES | MUL | NULL | |

| bid | int | YES | MUL | NULL | |

| dot | date | YES | | NULL | |

| shift | char(1) | YES | | NULL | |

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

4 rows in set (0.00 sec)