#### ARYAN 21BRS1272

# Assignment - 1

## Q1.

```
mysql> use stud_details;
Database changed
mysql> create table 21brs1272_stud(
    -> name varchar(22),
    -> RegNo varchar(10),
    -> Dept char(10),
    -> Mobile int,
    -> Place char(100),
    -> m1 int,
    -> m2 int,
    -> m3 int);
Query OK, 0 rows affected (0.01 sec)
mysql>
```

# Q2.

```
mysql> DESC 21brs1272_stud;
                       | Null | Key | Default | Extra
 Field | Type
          varchar(22)
                        YES
  name
                                     NULL
          varchar(10)
                        YES
                                     NULL
  RegNo
  Dept
          char(10)
                        YES
                                     NULL
  Mobile
          int
                        YES
                                     NULL
  Place
          char(100)
                        YES
                                     NULL
  m1
          int
                        YES
                                     NULL
                        YES
  m2
          int
                                     NULL
  m3
         int
                       YES
                                     NULL
8 rows in set (0.02 sec)
mysql>
```

## Q3.

```
mysql> alter table 21brs1272_stud
  -> RENAME COLUMN Mobile TO MoblieNo;
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> DESC 21brs1272_stud;
 Field | Type | Null | Key | Default | Extra
         | varchar(22) | YES
 name
                                  NULL
         | varchar(10) | YES
 RegNo
                                  NULL
                                 NULL
 Dept
         | char(10)
                      YES
 MoblieNo | int
                      YES |
                                 NULL
         | char(100)
                      YES
 Place
                                 NULL
                      YES
          int
 m1
                                 NULL
                     YES
                                 NULL
         int
 m2
 m3
         int
                      YES
                                 NULL
8 rows in set (0.00 sec)
```

## Q4.

```
mysql> alter table 21brs1272_stud
 -> DROP COLUMN Place;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> DESC 21brs1272_stud;
Field | Type | Null | Key | Default | Extra
 name
         | varchar(22) | YES
                                 NULL
         | varchar(10) | YES
 RegNo
                                  NULL
        | char(10)
 Dept
                      YES
                                 NULL
 MoblieNo | int
                      YES
                                 NULL
 m1
         | int
                      YES
                                 NULL
                      YES
 m2
          int
                                  NULL
                      | YES |
        int
                                 NULL
 m3
7 rows in set (0.00 sec)
```

## Q5.

```
mysql> insert into 21brs1272 stud
     -> values('Aryan','21BRS1272','SCOPE',1234568,99,87,96),
    -> ('Aditya', '21BAI1882', 'SCOPE',123498,95,97,98),
-> ('ATHARVA', '21BAI1780', 'SCOPE',129876,92,90,93),
-> ('Rachit', '21BAI1869', 'SCOPE',129492,93,91,94),
-> ('Ravi', '21BRS1234', 'SCOPE',347862,92,94,82);
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0
mysql> select * from 21brs1272 stud;
                                       | MoblieNo | m1
             RegNo
                            Dept
                                                              m2
  name
  Aryan
               21BRS1272
                              SCOPE
                                           1234568
                                                          99
                                                                   87
                                                                            96
               21BAI1882 | SCOPE
                                                          95
                                                                   97
                                                                            98
  Aditya
                                            123498
                                                          92
                                                                   90
                                                                            93
  ATHARVA
               21BAI1780
                              SCOPE
                                            129876
               21BAI1869 | SCOPE
  Rachit
                                                          93
                                                                   91
                                                                            94
                                            129492
             21BRS1234 | SCOPE |
                                            347862
                                                          92
                                                                   94
                                                                            82
5 rows in set (0.01 sec)
```

# Q6.

```
mysql> select * from 21brs1272_stud;
 name
          RegNo
                       Dept
                              | MoblieNo | m1
                                                m2
 Aryan
           21BRS1272
                       SCOPE
                                1234568
                                            99
                                                   87
                                                          96
                       SCOPE
                                            95
                                                   97
           21BAI1882
                                 123498
                                                          98
 Aditya
 ATHARVA
           21BAI1780
                       SCOPE
                                 129876
                                            92
                                                   90
                                                          93
                                            93
 Rachit
           21BAI1869
                       SCOPE
                                 129492
                                                   91
                                                          94
 Ravi
           21BRS1234 | SCOPE
                                 347862
                                            92
                                                   94
                                                          82
5 rows in set (0.01 sec)
```

Q7.

#### 21BRS1272 Aryan

#### Q8.

```
mysql> alter table 21brs1272_stud
   -> add total int,
   -> add avg int,
   -> add status char(10);
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc 21brs1272_stud;
                 | Null | Key | Default | Extra |
 Field | Type
            varchar(22) | YES
                                      NULL
            varchar(10)
                          YES
 RegNo
                                      NULL
            char(10)
                          YES
 Dept
                                      NULL
 MoblieNo
            int
                          YES
                                      NULL
 m1
            int
                          YES
                                      NULL
 m2
            int
                         YES
                                      NULL
 m3
            int
                         YES
                                      NULL
 total
            int
                         YES
                                      NULL
                                      NULL
           int
                          YES
 avg
 status
          | char(10)
                        YES
                                      NULL
10 rows in set (0.00 sec)
```

# Q9.

```
mysql> update 21BRS1272_stud
-> set total = m1+m2+m3;
Query OK, 5 rows affected (0.02 sec)
Rows matched: 5 Changed: 5 Warnings: 0

mysql> update 21BRS1272_stud
-> set avg = (m1+m2+m3)/3;
Query OK, 5 rows affected (0.01 sec)
Rows matched: 5 Changed: 5 Warnings: 0
```

#### 21BRS1272 Aryan

```
mysql> update 21BRS1272_stud
-> set status='eligible' where avg >=50;
Query OK, 5 rows affected (0.01 sec)
Rows matched: 5 Changed: 5 Warnings: 0
mysql> update 21BRS1272_stud
-> set status='not eligible' where avg<50;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0
mysql> Select * from 21BRS1272_stud;
            RegNo
                            | Dept | MoblieNo | m1
                                                            m2 m3
                                                                              | total | avg | status
 name
                                                        99
95
                                                                 87
97
  Aryan
              21BRS1272
                              SCOPE
                                         1234568
                                                                          96
                                                                                   282
                                                                                             94
                                                                                                   eligible
                                                                                                   eligible
  Aditya
               21BAI1882
                              SCOPE
                                          123498
                                                                          98
                                                                                   290
  ATHARVA 21BAI1780
                              SCOPE
                                           129876
                                                        92
                                                                 90
                                                                                   275
                                                                                             92
                                                                                                   eligible
  Rachit
               21BAI1869
                              SCOPE
                                           129492
                                                                                   278
                                                                                                   eligible
                                                                          94
                                                                                                   eligible
  Ravi
                             SCOPE
                                           347862
                                                        92
                                                                 94
                                                                          82
                                                                                   268
                                                                                             89
             21BRS1234
 5 rows in set (0.00 sec)
```

### Q10.

mysql> select RegNo,name,total,avg from 21BRS1272_stud;												
Reg		name	total	avg								
21B 21B 21B	RS1272   AI1882   AI1780   AI1869   RS1234	Aryan Aditya ATHARVA Rachit Ravi	282 290 275 278 268	94 97 92 93 89								
++ 5 rows in set (0.00 sec)												

# Q11.

nysql> select * from 21BRS1272_stud where total >200;												
name	RegNo	Dept	MoblieNo	m1	m2	m3	total	avg	status			
Aryan   Aditya   ATHARVA   Rachit   Ravi	21BRS1272 21BAI1882 21BAI1780 21BAI1869 21BRS1234	SCOPE SCOPE SCOPE SCOPE SCOPE	1234568 123498 129876 129492 347862	99 95 92 93 92	87 97 90 91	96 98 93 94 82	282 290 275 278 268	94 97 92 93 89	eligible   eligible   eligible   eligible   eligible			

# Q12.

#### 21BRS1272 Aryan

```
mysql> select* from 21BRS1272_stud where status = 'eligible';
                              | MoblieNo | m1
                                                        m3
                                                                | total | avg | status
 name
          RegNo
                      Dept
                                                 m2
                                                            96
 Aryan
            21BRS1272
                        SCOPE
                                 1234568
                                              99
                                                     87
                                                                    282
                                                                            94
                                                                                 eligible
 Aditya
            21BAI1882
                        SCOPE
                                  123498
                                              95
                                                     97
                                                            98
                                                                    290
                                                                            97
                                                                                 eligible
 ATHARVA
            21BAI1780
                        SCOPE
                                   129876
                                              92
                                                     90
                                                            93
                                                                    275
                                                                            92
                                                                                 eligible
                                                                                 eligible
                                                                    278
 Rachit
            21BAI1869
                        SCOPE
                                   129492
                                              93
                                                     91
                                                            94
                                                                            93
                                                                                 eligible
 Ravi
           21BRS1234
                        SCOPE
                                   347862
                                              92
                                                     94
                                                            82
                                                                    268
                                                                            89
 rows in set (0.00 sec)
```

### Q13.

```
mysql> delete from 21BRS1272_stud where name = 'Ravi';
Query OK, 1 row affected (0.01 sec)
mysql> select * from 21BRS1272 stud;
                                                               | total | avg
                      | Dept | MoblieNo | m1
                                                        m3
                                                 m2
            21BRS1272
                        SCOPE
                                 1234568
                                             99
                                                           96
                                                                           94
  Aryan
                                                                   282
                                                                                eligible
                                             95
  Aditya
            21BAI1882
                        SCOPE
                                  123498
                                                    97
                                                           98
                                                                   290
                                                                           97
                                                                                eligible
  ATHARVA
            21BAI1780
                        SCOPE
                                  129876
                                             92
                                                    90
                                                            93
                                                                   275
                                                                           92
                                                                                eligible
  Rachit
           21BAI1869 |
                        SCOPE
                                  129492
                                             93
                                                    91
                                                            94
                                                                   278
                                                                           93
                                                                                eligible
 rows in set (0.00 sec)
```

## Q14.

```
mysql> create table faculty(
-> Faculty_ID varchar(12),
-> Name varchar(22),
-> Salary int(8));
Query OK, 0 rows affected, 1 warning (0.03 sec)
```

## Q15.

```
mysql> insert into Faculty values('123c','raja',100000),('234a','grand',200000);
Query OK, 2 rows affected (0.01 sec)
Records: 2 Duplicates: 0 Warnings: 0
```

### Q16.

```
mysql> select * from Faculty;

+-----+

| Faculty_ID | Name | Salary |

+-----+

| 123c | raja | 100000 |

| 234a | grand | 200000 |

+-----+

2 rows in set (0.00 sec)
```

### Q17.

## Q18.

# Q19.

```
mysql> truncate table Faculty;
Query OK, 0 rows affected (0.02 sec)
```

# Q20.

```
mysql> drop table Faculty;
Query OK, 0 rows affected (0.02 sec)
```