

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;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| name  | varchar(22)   | YES  |     | NULL    |       |
| RegNo | varchar(10)   | YES  |     | NULL    |       |
| Dept  | char(10)      | YES  |     | NULL    |       |
| Mobile| int           | YES  |     | NULL    |       |
| Place | char(100)     | YES  |     | NULL    |       |
| m1    | int           | YES  |     | NULL    |       |
| m2    | int           | YES  |     | 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
name	varchar(22)	YES		NULL	
RegNo	varchar(10)	YES		NULL	
Dept	char(10)	YES		NULL	
MoblieNo	int	YES		NULL	
Place	char(100)	YES		NULL	
m1	int	YES		NULL	
m2	int	YES		NULL	
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	
RegNo	varchar(10)	YES		NULL	
Dept	char(10)	YES		NULL	
MoblieNo	int	YES		NULL	
m1	int	YES		NULL	
m2	int	YES		NULL	
m3	int	YES		NULL	

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;
```

name	RegNo	Dept	MoblieNo	m1	m2	m3
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

5 rows in set (0.01 sec)

Q6.

```
mysql> select * from 21brs1272_stud;
```

name	RegNo	Dept	MoblieNo	m1	m2	m3
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

5 rows in set (0.01 sec)

Q7.

```
mysql> select name from 21brs1272_stud;
+-----+
| name |
+-----+
| Aryan |
| Aditya |
| ATHARVA |
| Rachit |
| Ravi |
+-----+
5 rows in set (0.00 sec)
```

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;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| name | varchar(22) | YES | | NULL | |
| RegNo | varchar(10) | YES | | NULL | |
| Dept | char(10) | YES | | NULL | |
| MoblieNo | int | YES | | NULL | |
| m1 | int | YES | | NULL | |
| m2 | int | YES | | NULL | |
| m3 | int | YES | | NULL | |
| total | int | YES | | NULL | |
| avg | int | YES | | NULL | |
| 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;
```

name	RegNo	Dept	MoblieNo	m1	m2	m3	total	avg	status
Aryan	21BRS1272	SCOPE	1234568	99	87	96	282	94	eligible
Aditya	21BAI1882	SCOPE	123498	95	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
Ravi	21BRS1234	SCOPE	347862	92	94	82	268	89	eligible

5 rows in set (0.00 sec)

## Q10.

```
mysql> select RegNo,name,total,avg from 21BRS1272_stud;
```

RegNo	name	total	avg
21BRS1272	Aryan	282	94
21BAI1882	Aditya	290	97
21BAI1780	ATHARVA	275	92
21BAI1869	Rachit	278	93
21BRS1234	Ravi	268	89

5 rows in set (0.00 sec)

## Q11.

```
mysql> select * from 21BRS1272_stud where total >200;
```

name	RegNo	Dept	MoblieNo	m1	m2	m3	total	avg	status
Aryan	21BRS1272	SCOPE	1234568	99	87	96	282	94	eligible
Aditya	21BAI1882	SCOPE	123498	95	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
Ravi	21BRS1234	SCOPE	347862	92	94	82	268	89	eligible

5 rows in set (0.00 sec)

## Q12.

```
mysql> select* from 21BRS1272_stud where status = 'eligible';
```

name	RegNo	Dept	MoblieNo	m1	m2	m3	total	avg	status
Aryan	21BRS1272	SCOPE	1234568	99	87	96	282	94	eligible
Aditya	21BAI1882	SCOPE	123498	95	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
Ravi	21BRS1234	SCOPE	347862	92	94	82	268	89	eligible

```
5 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;
```

name	RegNo	Dept	MoblieNo	m1	m2	m3	total	avg	status
Aryan	21BRS1272	SCOPE	1234568	99	87	96	282	94	eligible
Aditya	21BAI1882	SCOPE	123498	95	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

```
4 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.

```
mysql> select Faculty_ID from Faculty where Faculty_ID = '123c';
+-----+
| Faculty_ID |
+-----+
| 123c       |
+-----+
1 row in set (0.00 sec)
```

Q18.

```
mysql> show tables;
+-----+
| Tables_in_stud_details |
+-----+
| 21brs1272_stud         |
| faculty                 |
+-----+
2 rows in set (0.01 sec)
```

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)
```