

GAGAN KUMAR SONI

ROLL: 21

SEMESTER: 2nd

MSc COMPUTER SCIENCE,

DEPARTMENT OF COMPUTER SCIENCE,

UNIVERSITY OF DELHI

```
MariaDB [universityNew]> show tables;
+-----+
| Tables_in_universitynew |
+-----+
| advisor                  |
| course                   |
| department               |
| instructor               |
| section                  |
| student                  |
| takes                    |
| teaches                  |
+-----+
8 rows in set (0.001 sec)
```

```
MariaDB [universityNew]> desc advisor;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| S_ID  | varchar(5)    | NO   | PRI | NULL    |       |
| I_ID  | int(11)       | NO   | MUL | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.032 sec)
```

```
MariaDB [universitynew]> select * from advisor;
```

S_ID	I_ID
1	1
15	1
21	1
3	2
8	2
14	2
24	2
25	2
12	3
13	3
2	4
9	4
30	5
5	6
20	6
4	7
10	7
22	7
23	7
18	8
16	9
27	9
26	10
6	11
11	11
7	12
29	12
17	13
19	13
28	13

```
30 rows in set (0.000 sec)
```

```
MariaDB [universityNew]> desc course;
```

Field	Type	Null	Key	Default	Extra
Course_ID	varchar(8)	NO	PRI	NULL	
Title	varchar(50)	YES		NULL	
Dept_name	varchar(20)	YES	MUL	NULL	
Credits	int(11)	YES		NULL	

```
4 rows in set (0.028 sec)
```

```
MariaDB [universityNew]> select * from course;
```

Course_ID	Title	Dept_name	Credits
BS	BS Statistics	Statistics	300
BSB	BS Botany	Botany	300
BSc	BSc Mathematics	Mathematics	260
MA	MA English	Literature	120
MS	MSc Computer Science	Computer Science	140
MTech	MTech CS	Computer Science	150

```
6 rows in set (0.001 sec)
```

```
MariaDB [universityNew]> desc department;
```

Field	Type	Null	Key	Default	Extra
Dept_name	varchar(20)	NO	PRI	NULL	
Building	varchar(15)	YES		NULL	
Budget	decimal(12,2)	YES		NULL	

```
3 rows in set (0.025 sec)
```

```
MariaDB [universityNew]> select * from department;
```

Dept_name	Building	Budget
Botany	LT-4	20000000.00
Computer Science	LT-1	10000000.00
Literature	LT-3	50000000.00
Mathematics	LT-2	40000000.00
Statistics	LT-1	9000000.00

```
5 rows in set (0.001 sec)
```

```
MariaDB [universityNew]> desc instructor;
```

Field	Type	Null	Key	Default	Extra
ID	int(11)	NO	PRI	NULL	
Name	varchar(20)	NO		NULL	
Dept_name	varchar(20)	NO	MUL	NULL	
Salary	decimal(8,2)	YES		NULL	

```
4 rows in set (0.028 sec)
```

```
MariaDB [universityNew]> select * from instructor;
```

ID	Name	Dept_name	Salary
1	Vikas	Computer Science	100000.00
2	Bharti	Computer Science	100000.00
3	Vasudha	Computer Science	100000.00
4	Mukesh	Mathematics	100000.00
5	Awadhesh	Mathematics	100000.00
6	Naveen	Mathematics	100000.00
7	Akhilesh	Statistics	100000.00
8	Poonam	Statistics	100000.00
9	Manisha	Literature	100000.00
10	Geeta	Literature	100000.00
11	Jitendra	Literature	100000.00
12	Madhoolika	Botany	100000.00
13	Kuldeep	Botany	100000.00

```
13 rows in set (0.001 sec)
```

```
MariaDB [universityNew]> desc section;
```

Field	Type	Null	Key	Default	Extra
Course_ID	varchar(8)	NO	PRI	NULL	
Sec_ID	varchar(8)	NO	PRI	NULL	
Semester	varchar(6)	NO	PRI	NULL	
Year	int(11)	NO	PRI	NULL	
Building	varchar(15)	NO		NULL	
Room_number	varchar(7)	NO		NULL	
Time_slot_id	varchar(10)	NO		NULL	

```
7 rows in set (0.028 sec)
```

```
MariaDB [universityNew]> select * from section;
```

Course_ID	Sec_ID	Semester	Year	Building	Room_number	Time_slot_id
BS	A	1	1	LT-1	LT-1A	09 AM-11 A
BS	A	2	1	LT-1	LT-1A	11 AM-01 P
BS	B	3	2	LT-1	LT-1A	01 PM-03 P
BS	B	4	2	LT-1	LT-1A	03 PM-05 P
BS	C	5	3	LT-1	LT-1B	09 AM-01 P
BS	C	6	3	LT-1	LT-1B	01 PM-05 P
BSB	A	1	1	LT-4	LT-4A	09 AM-11 A
BSB	A	2	1	LT-4	LT-4A	11 AM-01 P
BSB	B	3	2	LT-4	LT-4A	01 PM-03 P
BSB	B	4	2	LT-4	LT-4A	03 PM-05 P
BSB	C	5	3	LT-4	LT-4B	09 AM-01 P
BSB	C	6	3	LT-4	LT-4B	01 PM-05 P
BSc	A	1	1	LT-2	LT-2A	09 AM-11 A
BSc	A	2	1	LT-2	LT-2A	11 AM-01 P
BSc	B	3	2	LT-2	LT-2A	01 PM-03 P
BSc	B	4	2	LT-2	LT-2A	03 PM-05 P
BSc	C	5	3	LT-2	LT-2B	09 AM-01 P
BSc	C	6	3	LT-2	LT-2B	01 PM-05 P
MA	A	1	1	LT-3	LT-3A	09 AM-01 P
MA	A	2	1	LT-3	LT-3A	01 PM-05 P
MA	B	3	2	LT-3	LT-3B	09 AM-01 P
MA	B	4	2	LT-3	LT-3B	01 PM-05 P
MS	A	1	1	LT-1	LT-1C	09 AM-01 P
MS	A	2	1	LT-1	LT-1C	01 PM-05 P
MS	B	3	2	LT-1	LT-1D	09 AM-01 P
MS	B	4	2	LT-1	LT-1D	01 PM-05 P
MTech	A	1	1	LT-1	LT-1E	09 AM-01 P
MTech	A	2	1	LT-1	LT-1E	01 PM-05 P
MTech	B	3	2	LT-1	LT-1F	09 AM-01 P
MTech	B	4	2	LT-1	LT-1F	01 PM-05 P

```
MariaDB [universityNew]> desc student;
```

Field	Type	Null	Key	Default	Extra
ID	varchar(5)	NO	PRI	NULL	
Name	varchar(20)	NO		NULL	
Dept_name	varchar(20)	YES	MUL	NULL	
Tot_cred	int(11)	YES		NULL	

```
4 rows in set (0.033 sec)
```

```
MariaDB [universityNew]> select * from student;
```

ID	Name	Dept_name	Tot_cred
1	Aditya	Computer Science	NULL
10	Stuti	Statistics	NULL
11	Ashish	Literature	NULL
12	Akash	Computer Science	NULL
13	Abhinav	Computer Science	NULL
14	Sudeepto	Computer Science	NULL
15	Kinshuk	Computer Science	NULL
16	Aviral	Literature	NULL
17	Apurva	Botany	NULL
18	Sunil	Statistics	NULL
19	Shubham	Botany	NULL
2	Akanksha	Mathematics	NULL
20	Vallabh	Mathematics	NULL
21	Gagan	Computer Science	NULL
22	Adarsh	Statistics	NULL
23	Neha	Statistics	NULL
24	Stuti	Computer Science	NULL
25	Adamya	Computer Science	NULL
26	Abhishek	Literature	NULL
27	Divya	Literature	NULL
28	Rohan	Botany	NULL
29	Rahul	Botany	NULL
3	Akshita	Computer Science	NULL
30	Rishabh	Mathematics	NULL
4	Anjali	Statistics	NULL
5	Devanshu	Mathematics	NULL
6	Divyanshu	Literature	NULL
7	Harshit	Botany	NULL
8	Jagriti	Computer Science	NULL
9	Tanuja	Mathematics	NULL

```
MariaDB [universityNew]> desc takes;
```

Field	Type	Null	Key	Default	Extra
ID	varchar(5)	NO	PRI	NULL	
Course_ID	varchar(8)	NO	PRI	NULL	
Sec_ID	varchar(8)	NO	PRI	NULL	
Semester	varchar(6)	NO	PRI	NULL	
Year	int(11)	NO	PRI	NULL	
Grade	varchar(2)	YES		NULL	

6 rows in set (0.025 sec)

```
MariaDB [universitynew]> select * from takes;
```

ID	Course_ID	Sec_ID	Semester	Year	Grade
1	MS	A	1	1	NULL
10	BS	B	4	2	NULL
11	MA	A	1	1	NULL
12	MS	B	3	2	NULL
13	MS	A	1	1	NULL
14	MTech	B	4	2	NULL
15	MTech	B	4	2	NULL
16	MA	A	2	1	NULL
17	BSB	A	2	1	NULL
18	BS	C	6	3	NULL
19	BSB	B	4	2	NULL
2	BSc	A	1	1	NULL
20	BSc	C	5	3	NULL
21	MS	B	4	2	NULL
22	BS	C	5	3	NULL
23	BS	C	6	3	NULL
24	MS	B	4	2	NULL
25	MTech	A	2	1	NULL
26	MA	B	3	2	NULL
27	MA	A	1	1	NULL
28	BSB	C	5	3	NULL
29	BSB	B	3	2	NULL
3	MS	B	3	2	NULL
30	BSc	C	5	3	NULL
4	BS	A	2	1	NULL
5	BSc	B	3	2	NULL
6	MA	A	1	1	NULL
7	BSB	A	2	1	NULL
8	MTech	A	1	1	NULL
9	BSc	A	2	1	NULL

```
30 rows in set (0.005 sec)
```

```
MariaDB [universityNew]> desc teaches;
```

Field	Type	Null	Key	Default	Extra
ID	int(11)	NO	PRI	NULL	
Course_ID	varchar(8)	NO	PRI	NULL	
Sec_ID	varchar(8)	NO	PRI	NULL	
Semester	varchar(6)	NO	PRI	NULL	
Year	int(11)	NO	PRI	NULL	

```
5 rows in set (0.030 sec)
```

```

MariaDB [universitynew]> select * from teaches;
+-----+-----+-----+-----+-----+
| ID | Course_ID | Sec_ID | Semester | Year |
+-----+-----+-----+-----+-----+
| 1 | MS | A | 1 | 1 |
| 1 | MTech | B | 3 | 2 |
| 1 | MTech | B | 4 | 2 |
| 2 | MS | A | 2 | 1 |
| 2 | MS | B | 3 | 2 |
| 2 | MS | B | 4 | 2 |
| 3 | MS | A | 2 | 1 |
| 3 | MS | B | 3 | 2 |
| 3 | MTech | A | 1 | 1 |
| 3 | MTech | A | 2 | 1 |
| 4 | BSc | A | 1 | 1 |
| 4 | BSc | B | 3 | 2 |
| 4 | BSc | C | 5 | 3 |
| 5 | BSc | A | 2 | 1 |
| 5 | BSc | B | 3 | 2 |
| 5 | BSc | C | 5 | 3 |
| 6 | BSc | A | 1 | 1 |
| 6 | BSc | B | 4 | 2 |
| 6 | BSc | C | 5 | 3 |
| 6 | BSc | C | 6 | 3 |
| 7 | BS | A | 1 | 1 |
| 7 | BS | B | 3 | 2 |
| 7 | BS | C | 5 | 3 |
| 8 | BS | A | 2 | 1 |
| 8 | BS | B | 4 | 2 |
| 8 | BS | C | 6 | 3 |
| 9 | MA | A | 1 | 1 |
| 9 | MA | A | 2 | 1 |
| 9 | MA | B | 3 | 2 |
| 10 | MA | B | 3 | 2 |
| 11 | MA | B | 4 | 2 |
| 12 | BSB | A | 1 | 1 |
| 12 | BSB | A | 2 | 1 |
| 12 | BSB | B | 3 | 2 |
| 12 | BSB | C | 5 | 3 |
| 13 | BSB | A | 2 | 1 |
| 13 | BSB | B | 4 | 2 |
| 13 | BSB | C | 5 | 3 |
| 13 | BSB | C | 6 | 3 |
+-----+-----+-----+-----+-----+
39 rows in set (0.003 sec)

```

