

Experiment No. 5

Nehaam Khan – 12

CSE(IOT & CSBT)

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File Actions Edit View Help
Database changed
MariaDB [Nehaam]> DESC student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| rollno | int(5)         | YES  |     | NULL    |       |
| name   | varchar(20)    | YES  |     | NULL    |       |
| branch | varchar(20)    | YES  |     | NULL    |       |
| address | varchar(50)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [Nehaam]> alter table student modify rollno int(10) primary key;
Query OK, 0 rows affected (0.009 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Nehaam]> DESC student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| rollno | int(10)        | NO   | PRI | NULL    |       |
| name   | varchar(20)    | YES  |     | NULL    |       |
| branch | varchar(20)    | YES  |     | NULL    |       |
| address | varchar(50)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [Nehaam]> alter table student modify name varchar(20) UNIQUE;
Query OK, 0 rows affected (0.008 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Nehaam]> DESC student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| rollno | int(10)        | NO   | PRI | NULL    |       |
| name   | varchar(20)    | YES  | UNI | NULL    |       |
| branch | varchar(20)    | YES  |     | NULL    |       |
| address | varchar(50)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [Nehaam]> alter table student modify name varchar(20) NOT NULL;
Query OK, 0 rows affected (0.009 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Nehaam]> DESC student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| rollno | int(10)        | NO   | PRI | NULL    |       |
| name   | varchar(20)    | NO   | UNI | NULL    |       |
| branch | varchar(20)    | YES  |     | NULL    |       |
| address | varchar(50)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)
```

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File Actions Edit View Help
MariaDB [Nehaam]> alter table student modify name varchar(20) NOT NULL;
Query OK, 0 rows affected (0.009 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Nehaam]> DESC student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| rollno | int(10)        | NO   | PRI | NULL    |       |
| name   | varchar(20)    | NO   | UNI | NULL    |       |
| branch | varchar(20)    | YES  |     | NULL    |       |
| address | varchar(50)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [Nehaam]> create table person(rollno int(5), name varchar(20), branch varchar(20), address varchar(50));
Query OK, 0 rows affected (0.005 sec)

MariaDB [Nehaam]> alter table person ADD FOREIGN KEY(rollno) REFERENCES student(rollno);
Query OK, 0 rows affected (0.012 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Nehaam]> DESC student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| rollno | int(10)        | NO   | PRI | NULL    |       |
| name   | varchar(20)    | NO   | UNI | NULL    |       |
| branch | varchar(20)    | YES  |     | NULL    |       |
| address | varchar(50)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [Nehaam]> DESC person;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| rollno | int(5)         | YES  | MUL | NULL    |       |
| name   | varchar(20)    | YES  |     | NULL    |       |
| branch | varchar(20)    | YES  |     | NULL    |       |
| address | varchar(50)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.002 sec)

MariaDB [Nehaam]> alter table person ADD CHECK(rollno >= 1);
Query OK, 0 rows affected (0.009 sec)
Records: 0 Duplicates: 0 Warnings: 0
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name	varchar(20)	NO	UNI	NULL		
branch	varchar(20)	YES		NULL		
address	varchar(50)	YES		NULL		
+-----+-----+-----+-----+-----+-----+						

4 rows in set (0.001 sec)

MariaDB [Nehaam]> DESC person;

Field	Type	Null	Key	Default	Extra
rollno	int(5)	YES	MUL	NULL	
name	varchar(20)	YES		NULL	
branch	varchar(20)	YES		NULL	
address	varchar(50)	YES		NULL	

4 rows in set (0.002 sec)

MariaDB [Nehaam]> alter table person ADD CHECK(rollno ≥ 1);
Query OK, 0 rows affected (0.009 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Nehaam]> DESC person;

Field	Type	Null	Key	Default	Extra
rollno	int(5)	YES	MUL	NULL	
name	varchar(20)	YES		NULL	
branch	varchar(20)	YES		NULL	
address	varchar(50)	YES		NULL	

4 rows in set (0.002 sec)

MariaDB [Nehaam]> alter table person alter name SET DEFAULT 'Raj';
Query OK, 0 rows affected (0.004 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Nehaam]> DESC person;

Field	Type	Null	Key	Default	Extra
rollno	int(5)	YES	MUL	NULL	
name	varchar(20)	YES		Raj	
branch	varchar(20)	YES		NULL	
address	varchar(50)	YES		NULL	

4 rows in set (0.001 sec)

MariaDB [Nehaam]>