

ASSIGNMENT -2

Topics: MySQL, MongoDB

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CREATE AND INSERT IN MYSQL:

- 1 • `create database assignment;`
- 2 • `use assignment;`

Output			
Action Output			
#	Time	Action	Message
✓ 1	18:34:03	create database assignment	1 row(s) affected
✓ 2	18:34:03	use assignment	0 row(s) affected

- 1 `create table student (regno int(4), name varchar(20), programme varchar(5));`
- 2 • `insert into student values(1004, 'Kadir', 'BTech');`
- 3 • `insert into student values(1110, 'Reni', 'Bsc');`
- 4 • `insert into student values(1241, 'Tanish', 'Btech');`

Output			
Action Output			
#	Time	Action	Message
✓ 1	18:34:03	create database assignment	1 row(s) affected
✓ 2	18:34:03	use assignment	0 row(s) affected
⚠ 3	18:42:20	create table student (regno int(4), name varchar(20), programme varchar(5))	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be removed in a future release.
✓ 4	18:42:20	insert into student values(1004, 'Kadir', 'BTech')	1 row(s) affected
✓ 5	18:42:20	insert into student values(1110, 'Reni', 'Bsc')	1 row(s) affected
✓ 6	18:42:20	insert into student values(1241, 'Tanish', 'Btech')	1 row(s) affected

UPDATE IN MYSQL:

Query 1 x

Limit to 1000 rows

```
1 update student set programme = 'Bsc' where regno = 1241;
2
```

Action Output

#	Time	Action	Message
✓ 4	18:42:20	insert into student values(1004, 'Kadir', 'BTech')	1 row(s) affected
✓ 5	18:42:20	insert into student values(1110, 'Reni', 'Bsc')	1 row(s) affected
✓ 6	18:42:20	insert into student values(1241, 'Tanish', 'BTech')	1 row(s) affected
✗ 7	18:48:13	update student set programme = 'Bsc' where regno = 1241	Error Code: 1175. You are using safe update mode and you tri
✓ 8	18:50:47	SET SQL_SAFE_UPDATES = 0	0 row(s) affected
✓ 9	18:50:52	update student set programme = 'Bsc' where regno = 1241	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

DELETE IN MYSQL:

Query 1 x

Limit to 1000 rows

```
1 delete from student where regno = 1004;
```

Output

Action Output

#	Time	Action	Message
✓ 6	18:42:20	insert into student values(1241, 'Tanish', 'BTech')	1 row(s) affected
✗ 7	18:48:13	update student set programme = 'Bsc' where regno = 1241	Error Code: 1175.
✓ 8	18:50:47	SET SQL_SAFE_UPDATES = 0	0 row(s) affected
✓ 9	18:50:52	update student set programme = 'Bsc' where regno = 1241	1 row(s) affected
✗ 10	18:54:31	delete from student where id = 1004	Error Code: 1054.
✓ 11	18:54:49	delete from student where regno = 1004	1 row(s) affected

JOINS IN MYSQL:

Query 1

```
1 create table hosteller (regno int(4), room_type varchar(10), no_of_beds int(1));
2 • insert into hosteller values(1004, 'a/c', 2);
3 • insert into hosteller values(1034, 'n a/c', 4);
4 • insert into hosteller values(2042, 'n a/c', 2);
5 • insert into hosteller values(1580, 'n a/c', 1);
```

Output

Action Output

#	Time	Action	Message
✓ 11	18:54:49	delete from student where regno = 1004	1 row(s) affected
⚠ 12	19:08:27	create table hosteller (regno int(4), room_type varchar(10), no_of_beds int(1))	0 row(s) affected, 2 warning(s):
✓ 13	19:08:27	insert into hosteller values(1004, 'a/c', 2)	1 row(s) affected
✓ 14	19:08:27	insert into hosteller values(1034, 'n a/c', 4)	1 row(s) affected
✓ 15	19:08:27	insert into hosteller values(2042, 'n a/c', 2)	1 row(s) affected
✓ 16	19:08:27	insert into hosteller values(1580, 'n a/c', 1)	1 row(s) affected

INNER JOIN IN MYSQL:

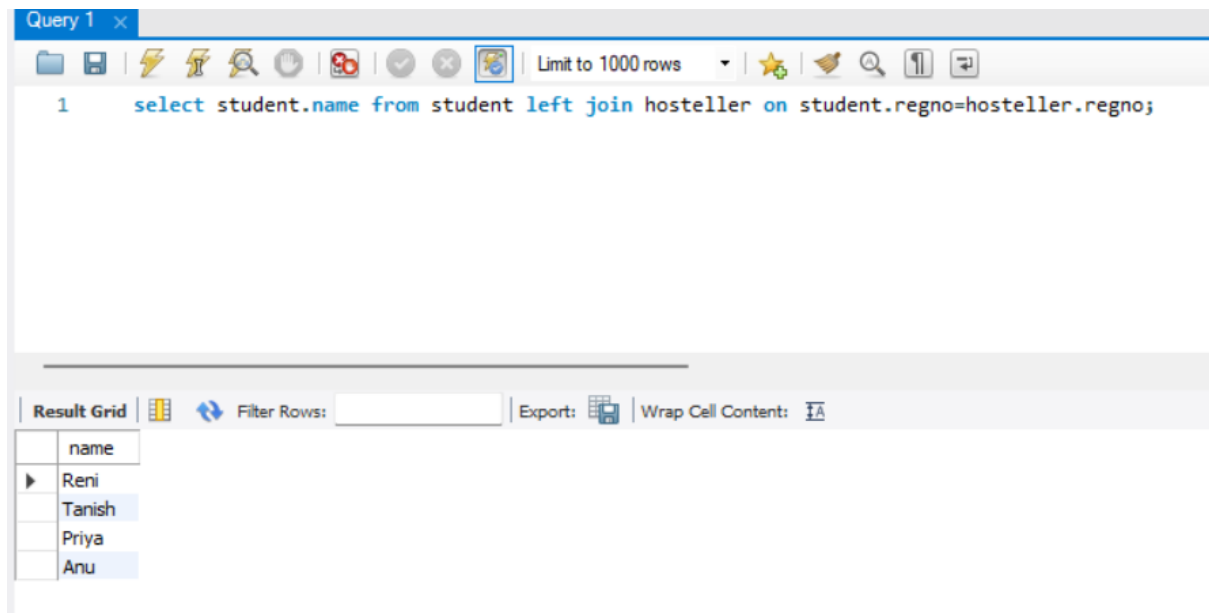
Query 1

```
1 select student.name from student inner join hosteller on student.regno=hosteller.regno;
```

Result Grid

	name
▶	Priya
	Reni

LEFT JOIN IN MYSQL:



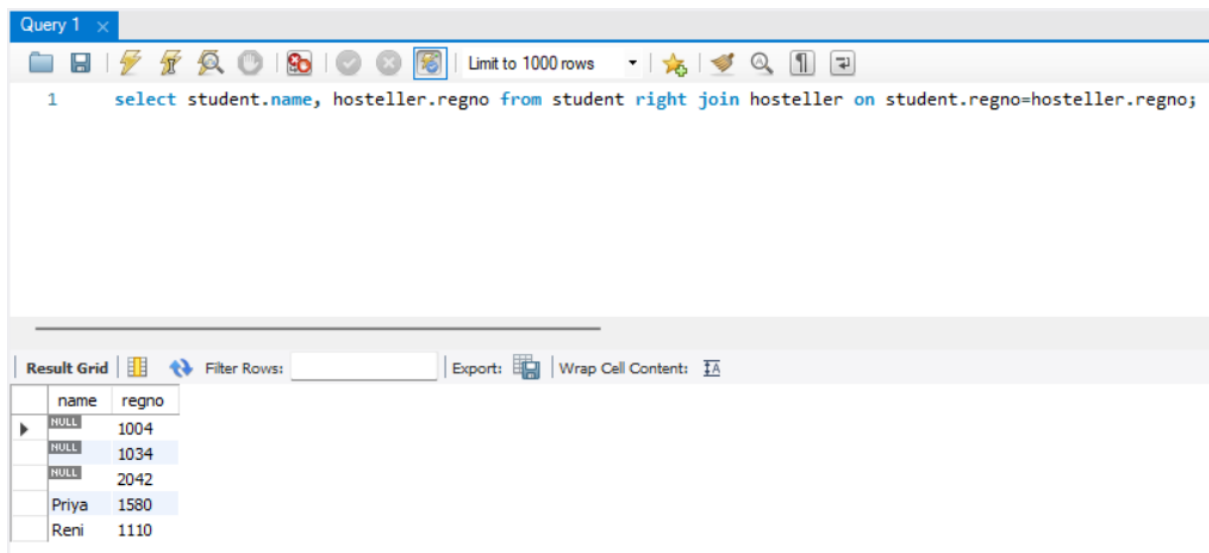
The screenshot shows a MySQL Query Editor window with a query titled "Query 1". The query is a LEFT JOIN between the 'student' and 'hosteller' tables on the 'regno' column. The result grid displays the names of students who are not in the hosteller table, along with their regno values.

```
1 select student.name from student left join hosteller on student.regno=hosteller.regno;
```

Result Grid:

	name
▶	Reni
	Tanish
	Priya
	Anu

RIGHT JOIN IN MYSQL:



The screenshot shows a MySQL Query Editor window with a query titled "Query 1". The query is a RIGHT JOIN between the 'student' and 'hosteller' tables on the 'regno' column. The result grid displays the names of students who are not in the hosteller table, along with their regno values.

```
1 select student.name, hosteller.regno from student right join hosteller on student.regno=hosteller.regno;
```

Result Grid:

	name	regno
▶	NULL	1004
	NULL	1034
	NULL	2042
	Priya	1580
	Reni	1110

CROSS JOIN IN MYSQL:

Query 1 x

Limit to 1000 rows

```
1 select * from student cross join hosteller ;
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	regno	name	programme	regno	room_type	no_of_beds
▶	1400	Anu	BTech	1004	a/c	2
	1580	Priya	Bsc	1004	a/c	2
	1241	Tanish	Bsc	1004	a/c	2
	1110	Reni	Bsc	1004	a/c	2
	1400	Anu	BTech	1034	n a/c	4
	1580	Priya	Bsc	1034	n a/c	4
	1241	Tanish	Bsc	1034	n a/c	4
	1110	Reni	Bsc	1034	n a/c	4
	1400	Anu	BTech	2042	n a/c	2
	1580	Priya	Bsc	2042	n a/c	2
	1241	Tanish	Bsc	2042	n a/c	2
	1110	Reni	Bsc	2042	n a/c	2
	1400	Anu	BTech	1580	n a/c	1
	1580	Priya	Bsc	1580	n a/c	1
	1241	Tanish	Bsc	1580	n a/c	1
	1110	Reni	Bsc	1580	n a/c	1
	1400	Anu	BTech	1110	a/c	4
	1580	Priya	Bsc	1110	a/c	4
	1241	Tanish	Bsc	1110	a/c	4
	1110	Reni	Bsc	1110	a/c	4

CREATE IN MONGO:

```
>_MONGOSH
> db.createCollection("students");
< { ok: 1 }
> db.students.insertOne({'regno':'1004','name':'Priya','programme':'BTech'});
< {
  acknowledged: true,
  insertedId: ObjectId("64735e5c4714e88984271030")
}
```

UPDATE IN MONGO:

```
> db.students.updateOne({'regno':'1004'},{$set:{'programme':'Btech'}});
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

DELETE IN MONGO:

```
> db.students.deleteOne({'regno':'1004'});
< {
  acknowledged: true,
  deletedCount: 1
}
```