

## Externship Assignment 2

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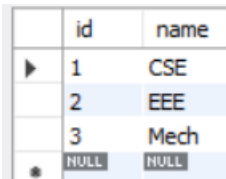
Campus- vellore

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### Mysql

#### Create statement

```
CREATE TABLE department (  
    id INT PRIMARY KEY,  
    name VARCHAR(50)  
);
```



	id	name
▶	1	CSE
	2	EEE
	3	Mech
•	NULL	NULL

#### Update statement

```
UPDATE student  
  
SET name = 'Monu'  
  
WHERE student_id = 3;  
  
select * from student;
```

	student_id	name	department_name	department_id
▶	1	kapil	CSE	1
	2	Dhoni	EEE	2
	3	Monu	CSE	1
*	NULL	NULL	NULL	NULL

#### Left join on faculty and department

SELECT faculty.faculty\_id, faculty.name, department.name AS department\_name

FROM faculty

LEFT JOIN department ON faculty.department\_id = department.id;

	faculty_id	name	department_name
▶	1	John	CSE
	2	Jane	EEE
	3	David	CSE

#### Right outer join on student and department

SELECT student.student\_id, student.name AS student\_name, student.department\_name,  
department.name AS department\_name

FROM student

RIGHT JOIN department ON student.department\_id = department.id;

	student_id	student_name	department_name	department_name
▶	1	kapil	CSE	CSE
	3	virat	CSE	CSE
	2	Dhoni	EEE	EEE
	NULL	NULL	NULL	Mech

#### Inner join on student and faculty

SELECT faculty.faculty\_id, faculty.name AS faculty\_name, student.student\_id, student.name AS  
student\_name

FROM faculty

INNER JOIN student ON faculty.department\_id = student.department\_id;

	faculty_id	faculty_name	student_id	student_name
▶	1	John	1	kapil
	1	John	3	virat
	2	Jane	2	Dhoni
	3	David	1	kapil
	3	David	3	virat

## Mongo DB

### Create statement

```
db.student.insertOne({id:1,name:"john"});
```

```
_id: ObjectId('647356200216dae9ea43b03e')
id: 1
name: "john"
```

---

### Update Statement

```
> db.student.updateOne(
  { id: 1 },
  { $set: { dept: "cse" } }
)
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
_id: ObjectId('647356200216dae9ea43b03e')
id: 1
name: "john"
dept: "cse"
```

### Delete Statement

```
> db.student.deleteOne({ id: 1 });  
< {  
  acknowledged: true,  
  deletedCount: 1  
}
```



### **This collection has no data**

It only takes a few seconds to import data from a JSON or CSV file.