

## WEEK-2

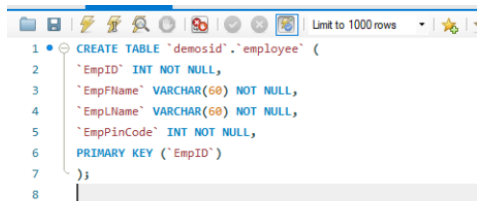
20BCE7025

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### CREATE, UPDATE, AND DELETE COMMANDS IN MYSQL

#### CREATE COMMAND

```
CREATE TABLE `demosid`.`employee` (  
  `EmpID` INT NOT NULL,  
  `EmpFName` VARCHAR(60) NOT NULL,  
  `EmpLName` VARCHAR(60) NOT NULL,  
  `EmpPinCode` INT NOT NULL,  
  PRIMARY KEY (`EmpID`)  
);
```



```
INSERT INTO `demosid`.`employee` (`EmpID`, `EmpFName`, `EmpLName`, `EmpPinCode`) VALUES  
('1', 'Tom', 'Cruise', '54637');
```

```
INSERT INTO `demosid`.`employee` (`EmpID`, `EmpFName`, `EmpLName`, `EmpPinCode`) VALUES  
('2', 'Rick', 'Astely', '67132');
```

```
INSERT INTO `demosid`.`employee` (`EmpID`, `EmpFName`, `EmpLName`, `EmpPinCode`) VALUES  
('3', 'Dwayne', 'Johnson', '45362');
```

```
INSERT INTO `demosid`.`employee` (`EmpID`, `EmpFName`, `EmpLName`, `EmpPinCode`) VALUES  
('4', 'Steven', 'He', '76514');
```

```
INSERT INTO `demosid`.`employee` (`EmpID`, `EmpFName`, `EmpLName`, `EmpPinCode`) VALUES  
('5', 'Uncle', 'Roger', '74152');
```

	EmpID	EmpFName	EmpLName	EmpPinCode
	1	Tom	Cruise	54637
	2	Rick	Astely	67132
	3	Dwayne	Johnson	45362
	4	Steven	He	76514
	5	Uncle	Roger	74152
	NULL	NULL	NULL	NULL

## UPDATE COMMAND

employee SQL File 1\* x

Limit to 1000 rows

```
1 • SELECT * FROM employee;  
2 • UPDATE employee  
3   SET EmpPinCode=45132  
4   WHERE EmpID=3
```

Result Grid Filter Rows: Edit: Export

	EmpID	EmpFName	EmpLName	EmpPinCode
▶	1	Tom	Cruise	54637
	2	Rick	Astely	67132
	3	Dwayne	Johnson	45132
	4	Steven	He	76514
	5	Uncle	Roger	74152
*	NULL	NULL	NULL	NULL

## DELETE COMMAND

employee SQL File 1\* x

Limit to 1000 rows

```
1 • SELECT * FROM employee;  
2 • DELETE FROM employee WHERE EmpID=3
```

Result Grid Filter Rows: Edit: Export/Import:

	EmpID	EmpFName	EmpLName	EmpPinCode
▶	1	Tom	Cruise	54637
	2	Rick	Astely	67132
	4	Steven	He	76514
	5	Uncle	Roger	74152
*	NULL	NULL	NULL	NULL

## CREATE TABLES AND PERFORM JOINS IN MYSQL

### Employee Table

	EmpID	EmpFName	EmpLName	EmpPinCode
▶	1	Tom	Cruise	54637
	2	Rick	Astely	67132
	3	Dwayne	Johnson	45362
	4	Steven	He	76514
	5	Unde	Roger	74152
✱	NULL	NULL	NULL	NULL

### EmployeeDetail Table

	EmpID	EmpAddress	EmpNumber
	1	New York	312
	2	Nevada	123
	3	Las Vegas	423
	4	Downtown	541
▶	5	Uptown	531
✱	NULL	NULL	NULL

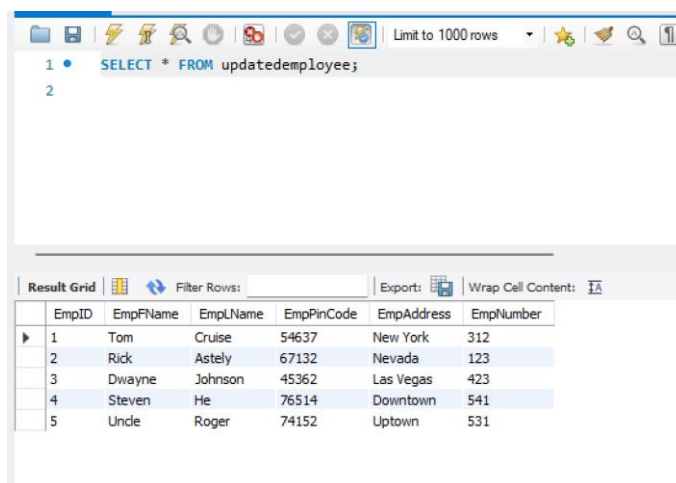
### Updatedemployee TABLE(ANSWER)

CREATE TABLE updatedemployee AS

SELECT e.EmpID, e.EmpFName, e.EmpLName, e.EmpPinCode, d.EmpAddress, d.EmpNumber

FROM employee e

JOIN employeeedetails d ON e.EmpID = d.EmpID;



The screenshot shows a MySQL IDE interface. At the top, there's a toolbar with various icons. Below it, a SQL query is entered in a text area:

```
1 • SELECT * FROM updatedemployee;
2
```

Below the query editor, there's a 'Result Grid' section. It contains a table with 6 columns: EmpID, EmpFName, EmpLName, EmpPinCode, EmpAddress, and EmpNumber. The table has 5 data rows and a final row with NULL values. The data is as follows:

EmpID	EmpFName	EmpLName	EmpPinCode	EmpAddress	EmpNumber
1	Tom	Cruise	54637	New York	312
2	Rick	Astely	67132	Nevada	123
3	Dwayne	Johnson	45362	Las Vegas	423
4	Steven	He	76514	Downtown	541
5	Unde	Roger	74152	Uptown	531
	NULL	NULL	NULL	NULL	NULL

## CREATE, UPDATE, AND DELETE COMMANDS IN MONGO

Created a table

```
> db.employee.find({}).pretty()
< {
  _id: ObjectId("6473621eee5c8adf48922b62")
}
{
  _id: ObjectId("6473627dee5c8adf48922b63"),
  EmpID: 1,
  EmpName: 'Tom Cruise',
  EmpPinCode: 12321
}
{
  _id: ObjectId("647362a4ee5c8adf48922b64"),
  EmpID: 2,
  EmpName: 'Dwayne Johnson',
  EmpPinCode: 816351
}
{
  _id: ObjectId("647362baee5c8adf48922b65"),
  EmpID: 3,
  EmpName: 'Paul Rudd',
  EmpPinCode: 765412
}
employee>
```

Updated Table

```
}
> db.employee.updateMany({"EmpID":2},{ $set: {"EmpName": "Kevin Hart"}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```

> db.employee.find({}).pretty()
< {
  _id: ObjectId("6473621eee5c8adf48922b62")
}
{
  _id: ObjectId("6473627dee5c8adf48922b63"),
  EmpID: 1,
  EmpName: 'Tom Cruise',
  EmpPinCode: 12321
}
{
  _id: ObjectId("647362a4ee5c8adf48922b64"),
  EmpID: 2,
  EmpName: 'Kevin Hart',
  EmpPinCode: 816351
}
{
  _id: ObjectId("647362baee5c8adf48922b65"),
  EmpID: 3,
  EmpName: 'Paul Rudd',
  EmpPinCode: 765412
}

```

## Delete Table

```

> db.employee.remove({"EmpID":2})
< DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite.
< {
  acknowledged: true,
  deletedCount: 1
}

```

```
> db.employee.find({}).pretty()
< {
  _id: ObjectId("6473621eee5c8adf48922b62")
}
{
  _id: ObjectId("6473627dee5c8adf48922b63"),
  EmpID: 1,
  EmpName: 'Tom Cruise',
  EmpPinCode: 12321
}
{
  _id: ObjectId("647362baee5c8adf48922b65"),
  EmpID: 3,
  EmpName: 'Paul Rudd',
  EmpPinCode: 765412
}
employee>
```