[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-database.html) [DATABASE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-database.html) job

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) salaries( salary\_ID [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(11) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT, salary\_Value [DECIMAL](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(10.2), PRIMARY KEY(salary\_ID) )

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) employee( employ\_ID [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(11) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT, first\_Name [VARCHAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(256), last\_Name [VARCHAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(256), username [VARCHAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(256), address [VARCHAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(256), zip\_Code [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(20), PRIMARY KEY(employ\_ID) )

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) titles( title\_ID [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(11) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT, salary\_ID [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(11), PRIMARY KEY (title\_ID) , FOREIGN KEY (salary\_ID) REFERENCES salaries(salary\_ID) )

CREATE TABLE department(

department\_ID INT(11) NOT NULL AUTO\_INCREMENT,

dep\_Manager\_ID INT(11),

department\_Name VARCHAR(256),

PRIMARY KEY(department\_ID)

)

CREATE TABLE dep\_Manager(

dep\_Manager\_ID INT(11) NOT NULL AUTO\_INCREMENT,

department\_ID INT(11),

employ\_ID INT(11),

salary\_Bonus DECIMAL(10.2),

PRIMARY KEY(dep\_Manager\_ID),

FOREIGN KEY(department\_ID) REFERENCES department(department\_ID),

FOREIGN KEY(employ\_ID) REFERENCES employee(employ\_ID)

)

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) titles ADD COLUMN title\_Name [VARCHAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-types.html)(256)  
[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) department ADD FOREIGN KEY(dep\_Manager\_ID) REFERENCES dep\_Manager(dep\_Manager\_ID)  
[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-table.html) dep\_Employee( dep\_Employ\_ID [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(11) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT, department\_ID [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(11), employ\_ID [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(11), title\_ID [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(11), salary\_Bonus [DECIMAL](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(10.2), PRIMARY KEY(dep\_Employ\_ID), FOREIGN KEY(department\_ID) REFERENCES department(department\_ID), FOREIGN KEY(employ\_ID) REFERENCES employee(employ\_ID), FOREIGN KEY(title\_ID) REFERENCES titles(title\_ID) )

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO employee( first\_Name, last\_Name, username, address, zip\_Code ) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values)( "John", "Johnsen", "Star-Lord", "Bisgården 1", 7500 ),( "Oliver", "Johnsen", "Groot", "Bisgården 2", 7500 ),( "James", "Johnsen", "Rocket", "Bisgården 3", 7500 ),( "Kevin", "Johnsen", "Gamora", "Bisgården 4", 7500 ),( "William", "Johnsen", "Drax", "Bisgården 5", 7500 ),( "Adam", "Adamsen", "Yondu", "H. C. Andersens Vej 1", 8800 ),( "Kevin", "Adamsen", "Ronan", "H. C. Andersens Vej 2", 8800 ),( "William", "Adamsen", "Nebula", "H. C. Andersens Vej 3", 8800 ),( "Oliver", "Adamsen", "Korath", "H. C. Andersens Vej 4", 8800 ),( "James", "Adamsen", "Collector", "H. C. Andersens Vej 5", 8800 )

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO department( department\_Name, dep\_manager\_ID ) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values)("København", 1),("Aarhus", 2),("Aalborg", 3),("Bonnet", 4)

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO dep\_manager( department\_ID, employ\_ID, salary\_Bonus ) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (5, 2, 13.5),(6, 4, 11.5),(7, 6, 9.5),(8, 6, 12.5)

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO salaries (salary\_Value) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (0),(60),(90),(130),(140),(200),(250)

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO titles(title\_Name, salary\_ID) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values)("Unpaid Intern", 1),("Paid Intern", 2),("Janitor", 3),("lunchlady", 3),("Secretary", 4),("Technician", 5),("Supporter", 4),("consultant", 5),("Manager", 6),("Owner", 7)

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO dep\_employee( employ\_ID, department\_ID, title\_ID, salary\_Bonus ) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values)(2, 5, 9, 5),(4, 6, 9, 2),(6, 7, 9, 6),(6, 8, 9, 3),(1, 5, 3, 0),(1, 6, 3, 0),(3, 7, 4, 1),(5, 8, 1, 0),(7, 5, 2, 3),(8, 6, 10, 1),(9, 7, 5, 2),(10, 8, 8, 3)

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-view.html) [VIEW](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-view.html) showemployees AS [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) employee.first\_Name, employee.last\_Name, employee.address, employee.zip\_Code, titles.title\_Name, department.department\_Name, salaries.salary\_Value, dep\_employee.salary\_Bonus, dep\_manager.salary\_Bonus AS manager\_Salary\_Bonus FROM employee INNER JOIN dep\_employee ON employee.employ\_ID = dep\_employee.employ\_ID [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left) JOIN department ON department.department\_ID = dep\_employee.department\_ID [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left) JOIN titles ON dep\_employee.title\_ID = titles.title\_ID [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left) JOIN salaries ON titles.salary\_ID = salaries.salary\_ID [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left) JOIN dep\_manager ON employee.employ\_ID = dep\_manager.employ\_ID [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) dep\_manager.department\_ID = department.department\_ID

CREATE VIEW deparmentmanagers AS SELECT department.department\_Name, employee.first\_Name, employee.last\_Name FROM department LEFT JOIN dep\_manager ON dep\_manager.dep\_Manager\_ID = department.dep\_Manager\_ID LEFT JOIN employee ON dep\_manager.employ\_ID = employee.employ\_ID

Tilføjede total løn section.

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-view.html) [VIEW](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-view.html) showemployees AS [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) employee.first\_Name, employee.last\_Name, employee.address, employee.zip\_Code, titles.title\_Name, department.department\_Name, salaries.salary\_Value, dep\_employee.salary\_Bonus, dep\_manager.salary\_Bonus AS manager\_Salary\_Bonus, salaries.salary\_Value + dep\_employee.salary\_Bonus + IFNULL(dep\_manager.salary\_Bonus,0) AS Total\_Salary FROM employee INNER JOIN dep\_employee ON employee.employ\_ID = dep\_employee.employ\_ID [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left) JOIN department ON department.department\_ID = dep\_employee.department\_ID [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left) JOIN titles ON dep\_employee.title\_ID = titles.title\_ID [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left) JOIN salaries ON titles.salary\_ID = salaries.salary\_ID [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left) JOIN dep\_manager ON employee.employ\_ID = dep\_manager.employ\_ID [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) dep\_manager.department\_ID = department.department\_ID