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

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

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