SQL

Database

Create database companydb

Table: Employee

create table Employee(

id int PRIMARY KEY AUTO\_INCREMENT,

name varchar(20),

designation varchar(25),

salary int

)

Insert

INSERT INTO `employee`(`id`, `name`, `designation`, `salary`) VALUES ('1','John','IT','50000')

INSERT INTO `employee`( `name`, `designation`, `salary`) VALUES ('Raju','Finance','30000')

INSERT INTO `employee`( `name`, `designation`, `salary`) VALUES ('Mahi','Accountant','30000')

INSERT INTO `employee`( `name`, `designation`, `salary`) VALUES ('Mukesh','Salesman','25000')

INSERT INTO `employee`( `name`, `designation`, `salary`) VALUES ('Rakesh','Manager','65000')

INSERT INTO `employee` (`id`, `name`, `designation`, `salary`) VALUES (NULL, 'Mukesh', 'It', '35000'), (NULL, 'Radhika', 'Salesman', '20000');

INSERT INTO `employee`(`name`, `designation`, `salary`) VALUES ('Madhu','IT','15000')

INSERT INTO `employee`(`name`, `designation`, `salary`) VALUES ('Meet','Accountant','25000')

|  | | | | [**id**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&sql_query=SELECT+%2A+FROM+%60employee%60++%0AORDER+BY+%60employee%60.%60id%60+ASC&sql_signature=fa45681fd3c2097b26f79133e116c1595247213a85137d8a685a54f3e3f4bd8b&session_max_rows=25&is_browse_distinct=0) | [**name**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&sql_query=SELECT+%2A+FROM+%60employee%60++%0AORDER+BY+%60employee%60.%60name%60+ASC&sql_signature=d16cc45c84a7d0754fa1e4ffc3060cc021dc13834611ee77f1b53dbfb86f9f2e&session_max_rows=25&is_browse_distinct=0) | [**designation**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&sql_query=SELECT+%2A+FROM+%60employee%60++%0AORDER+BY+%60employee%60.%60designation%60+ASC&sql_signature=d5de0dfa9e233b487762bf476663711292a319ef499b2f32bb1136a86b9693fe&session_max_rows=25&is_browse_distinct=0) | [**salary**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&sql_query=SELECT+%2A+FROM+%60employee%60++%0AORDER+BY+%60employee%60.%60salary%60+ASC&sql_signature=d3ba84868292eec201f160b8f2038e03d3f22b1da663bc0b1841692d1702910c&session_max_rows=25&is_browse_distinct=0) |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 1 | John | IT | 50000 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 2 | Raju | Finance | 30000 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 3 | Mahi | Accountant | 30000 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 4 | Mukesh | Salesman | 25000 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 5 | Rakesh | Manager | 65000 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 6 | Mukesh | It | 35000 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 7 | Radhika | Salesman | 20000 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 8 | Madhu | IT | 15000 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 9 | Meet | Accountant | 25000 |  |  |  |  |

Table: designation

create table designation(

id int PRIMARY KEY AUTO\_INCREMENT,

depname varchar(30),

empid int, FOREIGN key(id) REFERENCES employee(id)

);

Insert

INSERT INTO `designation`(`depname`, `empid`) VALUES ('IT','1')

INSERT INTO `designation`(`depname`, `empid`) VALUES ('Accountant','3')

INSERT INTO `designation`(`depname`, `empid`) VALUES ('Finance','2')

INSERT INTO `designation`(`depname`, `empid`) VALUES ('Salesman','4')

INSERT INTO `designation`(`depname`, `empid`) VALUES ('Manager','5')

INSERT INTO `designation`(`depname`, `empid`) VALUES ('IT','6')

INSERT INTO `designation`(`depname`, `empid`) VALUES ('Salesman','7')

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | [**id**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=designation&sql_query=SELECT+%2A+FROM+%60designation%60++%0AORDER+BY+%60designation%60.%60id%60+ASC&sql_signature=fadcfe40d0283bd89fa577666785dbac2bc7af55f7acc742b27eba7e83bc0269&session_max_rows=25&is_browse_distinct=0) | [**depname**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=designation&sql_query=SELECT+%2A+FROM+%60designation%60++%0AORDER+BY+%60designation%60.%60depname%60+ASC&sql_signature=0ac2579fb6e56aada07905d596d3206d45b11d309fec410d1d0008a515d1aa08&session_max_rows=25&is_browse_distinct=0) | [**empid**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=designation&sql_query=SELECT+%2A+FROM+%60designation%60++%0AORDER+BY+%60designation%60.%60empid%60+ASC&sql_signature=a5c4394ee752a21d0ac52a242cdc5091bdf1731cc81ddf775070c4e1c13a7677&session_max_rows=25&is_browse_distinct=0) |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [1](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&pos=0&sql_signature=25d9df62c6d69ea7fcb080a21b2062771110abfd44c0b06992a57b655c0cffc9&sql_query=SELECT+%2A+FROM+%60companydb%60.%60employee%60+WHERE+%60id%60+%3D+1) | IT | 1 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [2](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&pos=0&sql_signature=82a4ec994a7d8c01fea11ee53461168c79357e7ad84747e7d66960e1872f82a2&sql_query=SELECT+%2A+FROM+%60companydb%60.%60employee%60+WHERE+%60id%60+%3D+2) | Accountant | 3 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [3](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&pos=0&sql_signature=963125f71c022658987a9726cf500ba13ab49fe9b374d385968feeb1ae116dbe&sql_query=SELECT+%2A+FROM+%60companydb%60.%60employee%60+WHERE+%60id%60+%3D+3) | Finance | 2 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [4](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&pos=0&sql_signature=b28c9f4088488b76b113c9cdc71b87be76d750f82aab1325cf9526b5f198bc63&sql_query=SELECT+%2A+FROM+%60companydb%60.%60employee%60+WHERE+%60id%60+%3D+4) | Salesman | 4 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [5](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&pos=0&sql_signature=d45ece98368cfe90f792f468e011a45a6872467d04482ce3061e429bab48ab49&sql_query=SELECT+%2A+FROM+%60companydb%60.%60employee%60+WHERE+%60id%60+%3D+5) | Manager | 5 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [6](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&pos=0&sql_signature=5f1d74c05cd107bc9494d88d6071e0cf99e453dda5d96894bdaddfc34d41ed65&sql_query=SELECT+%2A+FROM+%60companydb%60.%60employee%60+WHERE+%60id%60+%3D+6) | IT | 6 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [7](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&pos=0&sql_signature=6deaa6fd1268724fcfd04e136486093f4ab6a1572d8dd8ee3d1ff3ef784ea269&sql_query=SELECT+%2A+FROM+%60companydb%60.%60employee%60+WHERE+%60id%60+%3D+7) | Salesman | 7 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [8](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&pos=0&sql_signature=e095f7f940c2b63683fac3ab0bea61a30d0f1829e180533219ef8e8944b28963&sql_query=SELECT+%2A+FROM+%60companydb%60.%60employee%60+WHERE+%60id%60+%3D+8) | Accountant | 9 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | [9](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&pos=0&sql_signature=3ebe91899f17318761f18cf6a4cd49ad3e49dfa1cabfe2dad2e54730dd1ba685&sql_query=SELECT+%2A+FROM+%60companydb%60.%60employee%60+WHERE+%60id%60+%3D+9) | IT | 8 |  |  |  |  |

Update

UPDATE `employee` SET `designation`='IT' WHERE id=6

update employee SET salary=45000 where id=1

SELECT

SELECT name FROM `employee` WHERE designation="IT"

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | [**name**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&sql_query=SELECT+name+FROM+%60employee%60+WHERE+designation%3D%22IT%22++%0AORDER+BY+%60employee%60.%60name%60+ASC&sql_signature=d07601cfdf825370a657a350c5e0f3b609c19c49299a36315e8f47c98b53d9c5&session_max_rows=25&is_browse_distinct=0) |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | John |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | Mukesh |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | Madhu |  |  |  |  |

SELECT \* FROM `employee` WHERE salary > 30000

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | [**id**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&sql_query=SELECT+%2A+FROM+%60employee%60+WHERE+salary+%3E+30000++%0AORDER+BY+%60employee%60.%60id%60+ASC&sql_signature=e77f301d4a43463047771e17e48cf3a260deb47c20b1b5a91bcd961da28707b5&session_max_rows=25&is_browse_distinct=0) | [**name**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&sql_query=SELECT+%2A+FROM+%60employee%60+WHERE+salary+%3E+30000++%0AORDER+BY+%60employee%60.%60name%60+ASC&sql_signature=fc43451b62b9656277309b0b9dd49870f567b46372d777ed15765fe2e6025e2f&session_max_rows=25&is_browse_distinct=0) | [**designation**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&sql_query=SELECT+%2A+FROM+%60employee%60+WHERE+salary+%3E+30000++%0AORDER+BY+%60employee%60.%60designation%60+ASC&sql_signature=cd3ad58aded60bd059f73a9c33d31f12ad43fdc2b823ab8f671cbb08a6c86d3b&session_max_rows=25&is_browse_distinct=0) | [**salary**](http://localhost/phpmyadmin/index.php?route=/sql&db=companydb&table=employee&sql_query=SELECT+%2A+FROM+%60employee%60+WHERE+salary+%3E+30000++%0AORDER+BY+%60employee%60.%60salary%60+ASC&sql_signature=f30cc4c289608c2b51ebcd36e0e7a0db65479d601ece110f78839ea2f117ff62&session_max_rows=25&is_browse_distinct=0) |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 1 | John | IT | 45000 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 5 | Rakesh | Manager | 65000 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 6 | Mukesh | IT | 35000 |  |  |  |  |

DELETE

DELETE FROM `designation` WHERE depname="Finance"

CREATE TABLE orders(

o\_id int PRIMARY KEY AUTO\_INCREMENT,

cust\_id int, FOREIGN KEY (cust\_id) REFERENCES customer(id),

pro\_id int , FOREIGN KEY (pro\_id) REFERENCES product(pro\_id)

)

CREATE TABLE orders(

o\_id int(11) PRIMARY KEY AUTO\_INCREMENT,

p\_id int(11),

FOREIGN KEY(p\_id) REFERENCES product(pro\_id),

c\_id int(11),

FOREIGN KEY(c\_id) REFERENCES customer(id)

)

Advance sql

1)Index

CREATE INDEX empindex on employee(name,designation)

2)view

CREATE VIEW employee\_duplicate AS SELECT id, name, designation FROM employee

3)Procedure

Create procedure insert\_cust(

In name varchar(255),

In phone\_no bigint(11),

In designation varchar(255),

In salary int(11)

)

Begin

insert into customer(name,phone\_no,designation,salary) values("Nisha",9313533005,"Accountant",50000);

End