**Foreign key**

**create database office;**

**create table office.worker** (

worker\_ID int not null auto\_increment,

first\_name varchar(255) not null,

last\_name varchar(255) not null,

salary int not null,

joining\_date datetime not null,

department varchar(255) not null,

primary key (worker\_ID)

);

select \* from office.worker;

desc office.worker;

insert into office.worker(first\_name,last\_name,salary,joining\_date,department)

values ('Monika','Arora',1000000,'1014-02-20 09:00:00','HR'),

('Niharika', 'Verma', 80000, '2014-06-11 09:00:00', 'Admin'),

('Vishal', 'Singhal', 300000, '2014-02-20 09:00:00', 'HR'),

('Amitabh', 'Singh', 500000, '2014-02-20 09:00:00', 'Admin'),

('Vivek', 'Bhati', 500000, '2014-06-11 09:00:00', 'Admin'),

('Vipul', 'Diwan', 200000, '2014-06-11 09:00:00', 'Account'),

('Satish', 'Kumar', 75000, '2014-01-20 09:00:00', 'Account'),

('Geetika', 'Chauhan', 90000, '2014-04-11 09:00:00', 'Adminmy');

select \* from office.worker;

**/\* bonus table\*/**

**create table office.bonus**(

worker\_ref\_ID int not null,

bonus\_date datetime not null,

bonus\_amount int not null,

foreign key (worker\_ref\_ID) references worker(worker\_ID)

);

desc office.bonus;

**/\*insert value\*/**

insert into office.bonus (worker\_ref\_ID,bonus\_date,bonus\_amount)

values(1, '2016-02-20 00:00:00', 5000),

(2, '2016-06-11 00:00:00', 3000),

(3, '2016-02-20 00:00:00', 4000),

(1, '2016-02-20 00:00:00', 4500),

(2, '2016-06-11 00:00:00', 3500);

**/\*create title table\*/**

**create table office.title**(

worker\_ref\_ID int not null,

worker\_title varchar(255),

affected\_from datetime,

foreign key (worker\_ref\_ID) references worker(worker\_ID)

);

truncate table office.title;

insert into office.title (worker\_ref\_ID,worker\_title,affected\_from)

values(1, 'Manager', '2016-02-20 00:00:00'),

(2, 'Executive', '2016-06-11 00:00:00'),

(8, 'Executive', '2016-06-11 00:00:00'),

(5, 'Manager', '2016-06-11 00:00:00'),

(4, 'Asst. Manager', '2016-06-11 00:00:00'),

(7, 'Executive', '2016-06-11 00:00:00'),

(6, 'Lead', '2016-06-11 00:00:00'),

(3, 'Lead', '2016-06-11 00:00:00');

select \* from office.title;

desc office.title;