create database stylecarz_db;

use stylecarz_db;
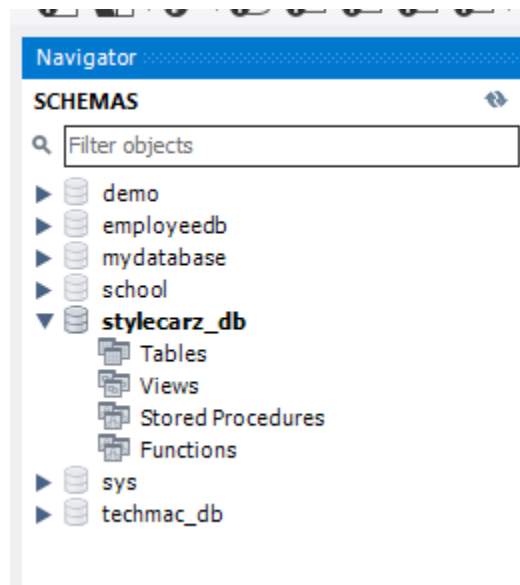
create table salespersons

(

salespersonid int primary key,

salesperson_name varchar(50) not null,

salesperson_city varchar(50) not null,

commission_rate int not null

);

desc salespersons;

Field	Type	Null	Key	Default	Extra
salespersonid	int	NO	PRI	NULL	
salesperson_name	varchar(50)	NO		NULL	
salesperson_city	varchar(50)	NO		NULL	
commission_rate	int	NO		NULL	

create table customers

(

customerid int primary key,

c_firstname varchar(50) not null,

c_lastname varchar(50) not null,

c_city varchar(50) not null,

c_rating int not null

);

desc customers;

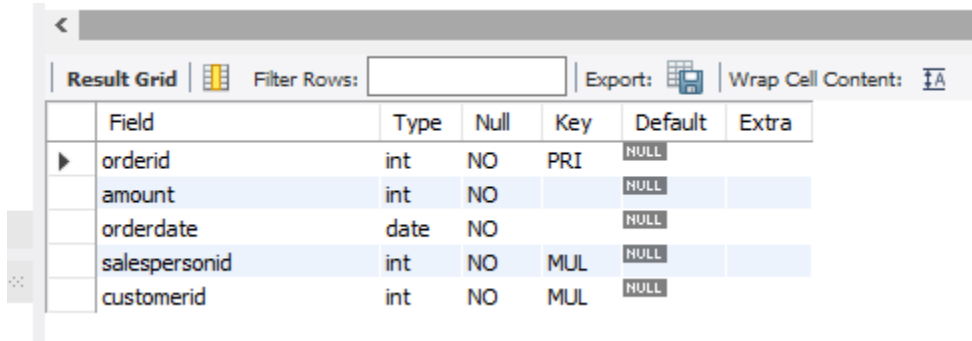| Field	Type	Null	Key	Default	Extra
customerid	int	NO	PRI	NULL	
c_firstname	varchar(50)	NO		NULL	
c_lastname	varchar(50)	NO		NULL	
c_city	varchar(50)	NO		NULL	
c_rating	int	NO		NULL	

create table orders

(

orderid int primary key,

amount int not null,

orderdate date not null,

salespersonid int not null,

foreign key (salespersonid) references stylecarz_db.salespersons(salespersonid),

customerid int not null,

foreign key (customerid) references stylecarz_db.customers(customerid)

);

desc orders;

Field	Type	Null	Key	Default	Extra
orderid	int	NO	PRI	NULL	
amount	int	NO		NULL	
orderdate	date	NO		NULL	
salespersonid	int	NO	MUL	NULL	
customerid	int	NO	MUL	NULL	

/* Task 3 : Insert data into"salespersons", "customers" & "orders" tables */

insert into salespersons values (1001,'William','London',12);

insert into salespersons values (1002,'Liam','SanJose',13);

insert into salespersons values (1003,'Axelrod','NewYork',10);

insert into salespersons values (1004,'James','London',11);

insert into salespersons values (1005,'Fran','London',26);

insert into salespersons values (1007,'Oliver','Barcelona',15);

insert into salespersons values (1008,'John','London',0);

insert into salespersons values (1009,'Charles','Florida',0);

select * from salespersons;

	salespersonid	salesperson_name	salesperson_city	commission_rate
▶	1001	William	London	12
	1002	Liam	SanJose	13
	1003	Axelrod	NewYork	10
	1004	James	London	11
	1005	Fran	London	26
	1007	Oliver	Barcelona	15
	1008	John	London	0
	1009	Charles	Florida	0
*	NULL	NULL	NULL	NULL

insert into customers values (2001,'Anny','Hoffman','London',100);

insert into customers values (2002,'Jenny','Giovanni','Rome',200);

insert into customers values (2003,'Williams','Liu','San Jose',100);

insert into customers values (2004,'Harry','Grass','Berlin',300);

insert into customers values (2005,'John','Clemens','London',200);

insert into customers values (2006,'Fanny','Cisneros','San Jose',200);

insert into customers values (2007,'Jonathan','Pereira','Rome',300);

select * from customers;

	customerid	c_firstname	c_lastname	c_city	c_rating
▶	2001	Anny	Hoffman	London	100
	2002	Jenny	Giovanni	Rome	200
	2003	Williams	Liu	San Jose	100
	2004	Harry	Grass	Berlin	300
	2005	John	Clemens	London	200
	2006	Fanny	Cisneros	San Jose	200
	2007	Jonathan	Pereira	Rome	300
*	NULL	NULL	NULL	NULL	NULL

insert into orders values(3001,123,'2021-02-01',1009,2007);

insert into orders values(3002,100,'2021-07-30',1001,2007);

insert into orders values(3003,187,'2021-10-02',1001,2001);

insert into orders values(3005,201,'2021-10-09',1003,2003);

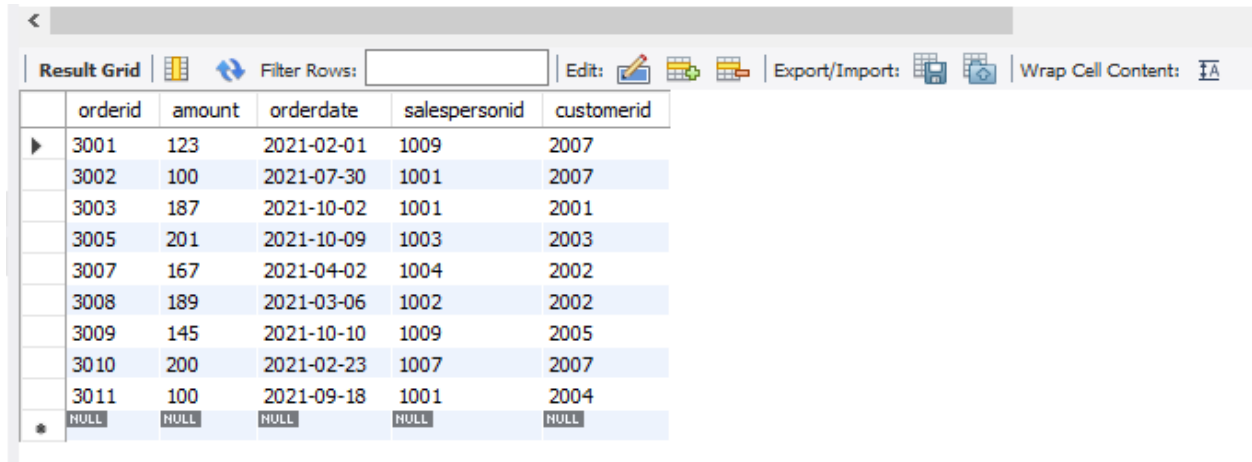insert into orders values(3007,167,'2021-04-02',1004,2002);

insert into orders values(3008,189,'2021-03-06',1002,2002);

insert into orders values(3009,145,'2021-10-10',1009,2005);

insert into orders values(3010,200,'2021-02-23',1007,2007);

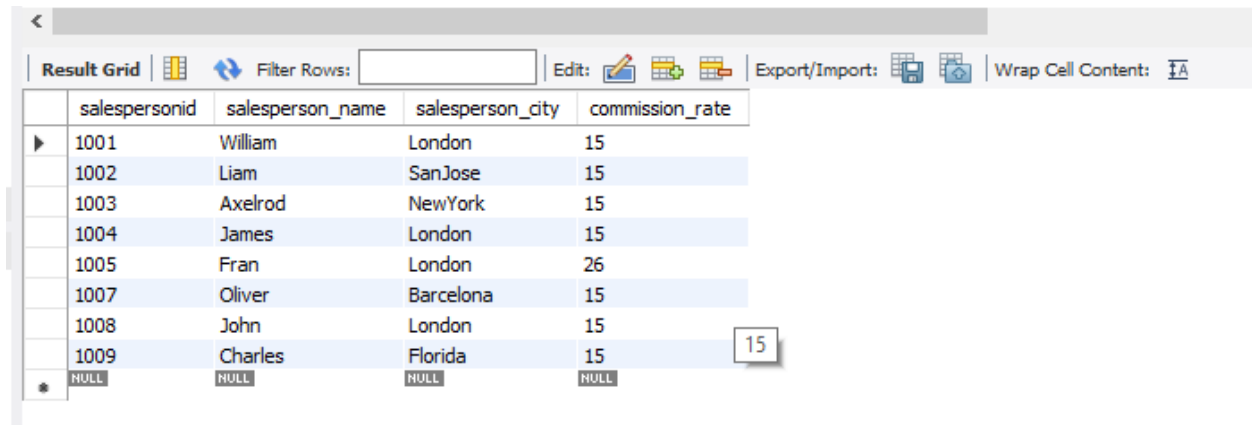insert into orders values(3011,100,'2021-09-18',1001,2004);

select * from orders;

orderid	amount	orderdate	salespersonid	customerid
3001	123	2021-02-01	1009	2007
3002	100	2021-07-30	1001	2007
3003	187	2021-10-02	1001	2001
3005	201	2021-10-09	1003	2003
3007	167	2021-04-02	1004	2002
3008	189	2021-03-06	1002	2002
3009	145	2021-10-10	1009	2005
3010	200	2021-02-23	1007	2007
3011	100	2021-09-18	1001	2004
NULL	NULL	NULL	NULL	NULL

/* Task 4 : Update commission rate of the salespersons to 15% who have commission rates between 0% and 13% */
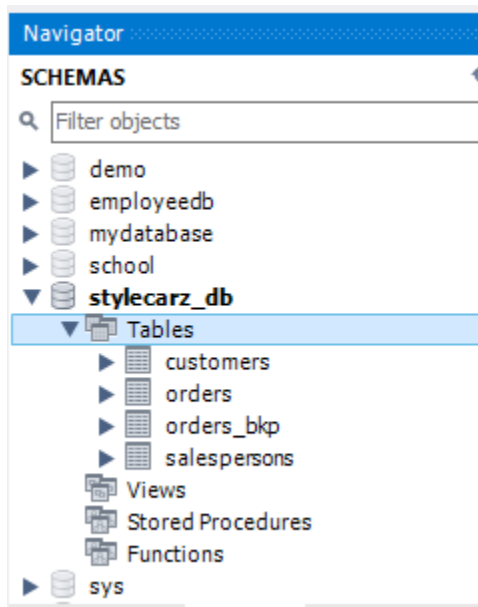
set sql_safe_updates=0;

update salespersons set commission_rate= 15 where commission_rate between 0 and 13;

salespersonid	salesperson_name	salesperson_city	commission_rate
1001	William	London	15
1002	Liam	SanJose	15
1003	Axelrod	NewYork	15
1004	James	London	15
1005	Fran	London	26
1007	Oliver	Barcelona	15
1008	John	London	15
1009	Charles	Florida	15
NULL	NULL	NULL	NULL

/* Task 5 : Create a clone of the "orders" table and name it "orders_bkp" */

create table if not exists orders_bkp select * from orders;
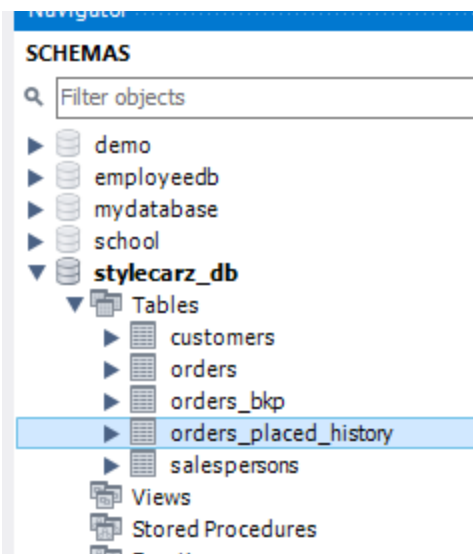
select * from orders_bkp;

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

orderid	amount	orderdate	salespersonid	customerid
3001	123	2021-02-01	1009	2007
3002	100	2021-07-30	1001	2007
3003	187	2021-10-02	1001	2001
3005	201	2021-10-09	1003	2003
3007	167	2021-04-02	1004	2002
3008	189	2021-03-06	1002	2002
3009	145	2021-10-10	1009	2005
3010	200	2021-02-23	1007	2007
3011	100	2021-09-18	1001	2004

/* Task 6 : Clone "orders" table to "orders_placed_history"

Delete records of the orders 3005 and 3008 from the "orders" table and "orders_placed_history" */

create table if not exists orders_placed_history select * from orders;

select * from orders_placed_history;

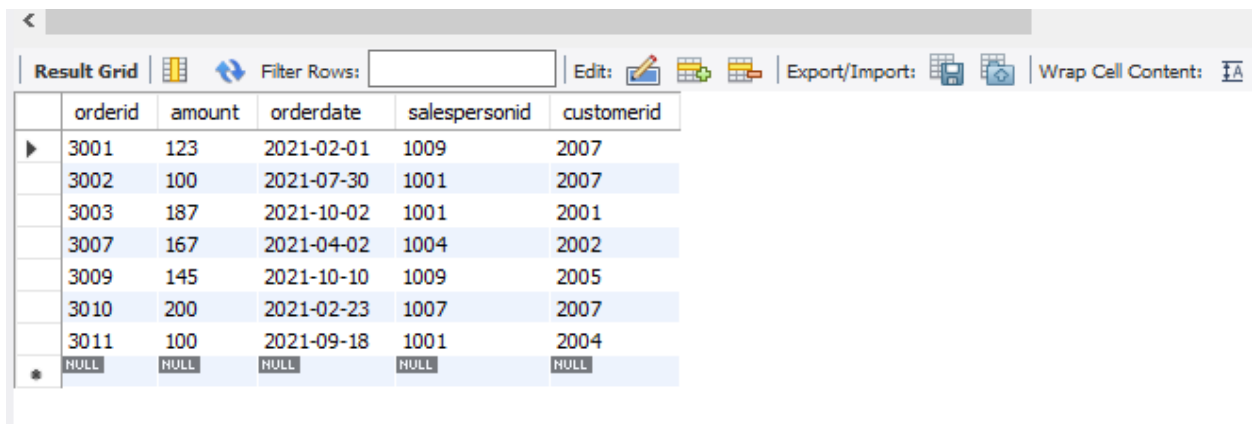| orderid	amount	orderdate	salespersonid	customerid
3001	123	2021-02-01	1009	2007
3002	100	2021-07-30	1001	2007
3003	187	2021-10-02	1001	2001
3005	201	2021-10-09	1003	2003
3007	167	2021-04-02	1004	2002
3008	189	2021-03-06	1002	2002
3009	145	2021-10-10	1009	2005
3010	200	2021-02-23	1007	2007
3011	100	2021-09-18	1001	2004

delete from orders_placed_history where orderid in (3005,3008);

select * from orders_placed_history;

orderid	amount	orderdate	salespersonid	customerid
3001	123	2021-02-01	1009	2007
3002	100	2021-07-30	1001	2007
3003	187	2021-10-02	1001	2001
3007	167	2021-04-02	1004	2002
3009	145	2021-10-10	1009	2005
3010	200	2021-02-23	1007	2007
3011	100	2021-09-18	1001	2004

delete from orders where orderid in (3005,3008);
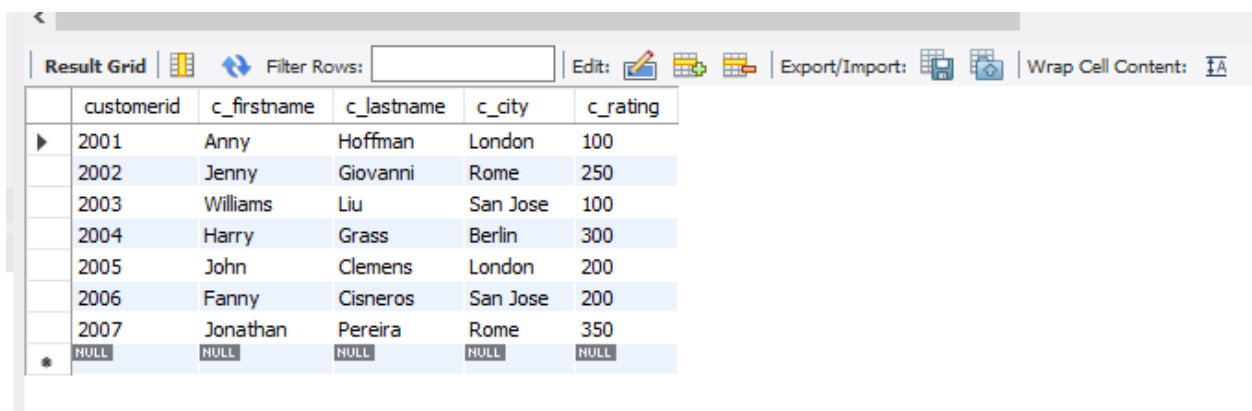
select * from orders;

orderid	amount	orderdate	salespersonid	customerid
3001	123	2021-02-01	1009	2007
3002	100	2021-07-30	1001	2007
3003	187	2021-10-02	1001	2001
3007	167	2021-04-02	1004	2002
3009	145	2021-10-10	1009	2005
3010	200	2021-02-23	1007	2007
3011	100	2021-09-18	1001	2004
NULL	NULL	NULL	NULL	NULL

/* Task 7 : Identify costumers who placed orders more than twice and increase their ratings by 50 */

update customers set c_rating=c_rating+50 where customerid=2002;

select * from customers;

customerid	c_firstname	c_lastname	c_city	c_rating
2001	Anny	Hoffman	London	100
2002	Jenny	Giovanni	Rome	250
2003	Williams	Liu	San Jose	100
2004	Harry	Grass	Berlin	300
2005	John	Clemens	London	200
2006	Fanny	Cisneros	San Jose	200
2007	Jonathan	Pereira	Rome	350
NULL	NULL	NULL	NULL	NULL

update customers set c_rating=c_rating+50 where customerid=2007;

select * from customers;

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

customerid	c_firstname	c_lastname	c_city	c_rating
2001	Anny	Hoffman	London	100
2002	Jenny	Giovanni	Rome	250
2003	Williams	Liu	San Jose	100
2004	Harry	Grass	Berlin	300
2005	John	Clemens	London	200
2006	Fanny	Cisneros	San Jose	200
2007	Jonathan	Pereira	Rome	350
NULL	NULL	NULL	NULL	NULL