

# DBMS LAB-5

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## LAB EXERCISE

Ord_num	Ord_amount	Advance_amount	Ord_date	Cust_code	Agent_code	Description
004	200	3000	15-aug-2020	C004	Ac001	Masala kulcha
007	600	5000	17-sept-2020	C006	Ac003	Biriyani
008	700	100	19-feb-2019	C007	Ac005	
009	10000	600	21-march-2010	C009	Ac008	Masala dosa
010	20	600	21-april-2012	C006	Ac005	

Table: orders

Agent_code	Agent_name	Working_area	commission	Phone_no	country
Ac001	Ramesh	Bangalore	.15	0331234567	India
Ac002	Dinesh	Bangalore	.25	0331234568	
Ac003	Suresh	Mumbai	.35	0331234569	London
Ac004	Kamlesh	New jersey	.68	0331234564	
Ac005	Kartik	Chennai	.73	0331234563	India

Table: Agent

1. Consider the following table **Agent**(AGENT\_CODE, AGENT NAME, WORKING AREA, COMMISSION, PHONE\_NO, COUNTRY) and **Orders**(ORD\_NUM, ORD AMOUNT, ADVANCE\_AMOUNT, ORD\_DATE, CUST\_CODE, AGENT\_CODE, ORD\_DESCRIPTION)
- Find ord\_num, ord\_amount, ord\_date, cust\_code and agent\_code from the table Orders working\_area of Agent table must be Bangalore.
  - Retrieve ord\_num, ord amount, cust\_code and agent\_code from the table orders where the agent\_code of orders table must be the same agent\_code of agents table and agent\_name of agents table must be Ramesh.

## Lab Exercise

Salesman_id	Name	City	commission
si123@06	Lakshmi	Kolkata	.5
si123@09	Ganesh	London	.6
si123@90	Dinesh	London	.3
si123@10	Joseph	Chennai	.6
si123@19	Mahesh	Hyderabad	.65
si123@26	Paul Adam	London	.1
si123@67	Rahul	Delhi	.4

Table: salesman

ord_no	Purch_amt	Ord_date	Customer_id	Salesman_id
123	600	20-aug-2010	003cd	si123@19
576	750	20-feb-2018	004cd	si123@19
579	800	20-may-20120	004cd	si123@26
600	60000	20-jan-2021	006cd	si123@10
700	745	26-jan-2021	007cd	si123@09
800	860	29-jan-2019	007cd	si123@26

Table: orders

2. Consider the tables **salesman**(salesman\_id, name, city, commission) and **Orders**(ord\_no, purch\_amt, ord\_date, customer\_id, salesman\_id)
- Display all the orders from the orders table issued by the salesman 'Paul Adam'.
  - Display all the orders for the salesman who belongs to the city London

```
-- drop database dblab5;
create database dblab5;
show databases;
use dblab5;

create table Orders(
ORD_NUM varchar(10) not null ,
ORD_AMOUNT varchar(10) not null ,
ADVANCE_AMOUNT varchar(10) not null,
ORD_DATE varchar(20) not null,
CUST_CODE varchar(10) not null,
AGENT_CODE varchar(10) not null,
ORD_DESCRIPTION varchar(30));

create table Agent(
AGENT_CODE varchar(10) not null ,
AGENT_NAME varchar(20) not null,
WORKING_AREA varchar(20) not null,
COMMISSION varchar(5) not null,
PHONE_NO varchar(20) not null,
COUNTRY varchar(20));

show tables;
describe table Orders;
describe table Agent;
```

```
insert into Orders value
('004','200','3000','15-aug-2020','C004','Ac001'
,'Masala kulcha'),
('007','600','5000','17-sept-2020','C006','Ac003'
,'Biriyani');
insert into Orders(ORD_NUM, ORD_AMOUNT,
ADVANCE_AMOUNT, ORD_DATE,CUST_CODE,AGENT_CODE )
value('008','700','100','19-feb-2019','C007','Ac
005');
insert into Orders
value
('009','10000','600','21-march-2010','C009','Ac0
08','Masala dosa');
insert into Orders(ORD_NUM, ORD_AMOUNT,
ADVANCE_AMOUNT, ORD_DATE,CUST_CODE,AGENT_CODE )
value('010','20','600','21-april-2012','C006','A
c005');

insert into Agent value
('Ac001','Ramesh','Bangalore','15','0331234567'
,'India');
insert into Agent(AGENT_CODE, AGENT_NAME,
WORKING_AREA ,COMMISSION , PHONE_NO)
value('Ac002','Dinesh','Bangalore','25','033123
4568');
insert into Agent
value
```

```
('Ac003','Suresh','Mumbai','035','0331234569','London');
```

```
insert into Agent(AGENT_CODE, AGENT_NAME,  
WORKING_AREA ,COMMISSION , PHONE_NO)
```

```
value('Ac004','Kamlesh','New  
jersey','068','0331234564');
```

```
insert into Agent
```

```
value
```

```
('Ac005','Kartik','Chennai','073','0331234563','India');
```

```
select * from Orders;
```

```
select * from Agent;
```

```
-- Find ord_num, ord_amount, ord_date, cust_code  
and agent_code
```

```
-- from the table Orders working_area of Agent  
table must be Bangalore.
```

```
select
```

```
ORD_NUM,ORD_AMOUNT,ORD_DATE,CUST_CODE,AGENT_CODE  
from Orders
```

```
where AGENT_CODE in (
```

```
select AGENT_CODE
```

```
from Agent
```

```
where WORKING_AREA='Bangalore');
```

```
-- Retrieve ord_num, ord_amount, cust_code and
```

```
agent_code
-- from the table orders
-- where the agent_code of orders table must be
the same agent_code of agents table
-- and the agent_name of the agents table must
be Ramesh.
select ORD_NUM,ORD_AMOUNT,CUST_CODE,AGENT_CODE
from Orders
where AGENT_CODE in (
select AGENT_CODE
from Agent
where AGENT_NAME='Ramesh');
```

```
drop database dblab5;
create database dblab5;
show databases;
use dblab5;
```

```
create table salesman(
salesman_id varchar(20) not null ,
name varchar(20) not null,
city varchar(20) not null,
commission varchar(5) not null);
```

```
create table Orders(  
ord_no int not null,  
purch_amt int not null,  
ord_date varchar(20) not null,  
customer_id varchar(20) not null,  
salesman_id varchar(20));
```

```
show tables;  
describe table salesman;  
describe table Orders;
```

```
insert into salesman value  
( 'si123@06', 'Lakshmi', 'Kolkata', '.5'),  
( 'si123@09', 'Ganesh', 'London', '.6'),  
( 'si123@90', 'Dinesh', 'London', '.3'),  
( 'si123@10', 'Joseph', 'Chennai', '.6'),  
( 'si123@19', 'Mahesh', 'Hyderabad', '.65'),  
( 'si123@26', 'Paul Adam', 'London', '.1'),  
( 'si123@67', 'Rahul', 'Delhi', '.4');
```

```
insert into Orders value  
(123,600, '20-aug-2010', '003cd', 'si123@19'),  
(576,750, '20-feb-2018', '004cd', 'si123@19'),  
(579,800, '20-may-2012', '004cd', 'si123@26'),  
(600,60000, '20-jan-2021', '006cd', 'si123@10'),  
(700,745, '26-jan-2021', '007cd', 'si123@09'),  
(800,860, '29-jan-2019', '007cd', 'si123@26');
```

```
-- Display all the orders from the orders table  
-- issued by the salesman 'Paul Adam'.
```

```
select *  
from Orders  
where salesman_id in(  
select salesman_id  
from salesman  
where name='Paul Adam');
```

```
-- Display all the orders for the salesman  
-- who belongs to the city London
```

```
select *  
from Orders  
where salesman_id in(  
select salesman_id  
from salesman  
where city='London');
```

1a.

ORD_NUM	ORD_AMOUNT	ORD_DATE	CUST_CODE	AGENT_CODE
004	200	15-aug-2020	C004	Ac001

1b.

ORD_NUM	ORD_AMOUNT	CUST_CODE	AGENT_CODE
004	200	C004	Ac001

2a.

ord_no	purch_amt	ord_date	customer_id	salesman_id
579	800	20-may-2012	004cd	si123@26
800	860	29-jan-2019	007cd	si123@26

2b.

ord_no	purch_amt	ord_date	customer_id	salesman_id
579	800	20-may-2012	004cd	si123@26
700	745	26-jan-2021	007cd	si123@09
800	860	29-jan-2019	007cd	si123@26