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Branch: Artificial Intelligence(AI) and Data Science

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Course: Database Technologies

Roll No.: S009

Experiment no. 3

Code:

```
create database InventoryManagement;
use InventoryManagement;

create table products
(
    p_id int primary key,
    p_price int,
    p_expiry varchar(20)
);

create table provider
(
    pr_id int primary key,
    pr_type varchar(40),
    pr_address varchar(100)
);

create table warehouse
(
    w_no int primary key,
    w_capacity int,
    w_location varchar(100)
);

create table orders
(
    or_id int primary key,
    or_date varchar(16),
    or_time varchar(10)
);

create table sales
(
    s_number int primary key,
```

```
        s_type varchar(20),
        s_date varchar(16)
);

create table employee
(
    e_id int primary key,
    e_name varchar(50) not null,
    e_age int,
    e_experience int
);

create table customer
(
    c_id int primary key,
    c_name varchar(50) not null,
    c_contact int,
    c_age int
);

create table customer_care
(
    cc_id int primary key,
    cc_contact int,
    cc_location varchar(100)
);

create table offers
(
    o_no int primary key,
    o_name varchar(50),
    o_type varchar(20)
);

create table payment
(
    py_id int primary key,
    py_time varchar(10),
    py_date varchar(16),
    py_mode varchar(50) not null
);

create table online
(
    on_upi varchar(80),
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        on_credit varchar(80),
        on_debit varchar(80)
);

create table offline
(
    off_cod varchar(80)
);

alter table products
    add pr_id int;
alter table products
    add constraint foreign key(pr_id) references provider(pr_id);

alter table products
    add c_id int;
alter table products
    add constraint foreign key(c_id) references customer(c_id);

alter table products
    add w_no int;
alter table products
    add constraint foreign key(w_no) references warehouse(w_no);

alter table orders
    add w_no int;
alter table orders
    add constraint foreign key(w_no) references warehouse(w_no);

alter table sales
    add e_id int;
alter table sales
    add constraint foreign key(e_id) references employee(e_id);

alter table customer
    add cc_id int;
alter table customer
    add constraint foreign key(cc_id) references
customer_care(cc_id);
```

```
alter table customer_care
    add e_id int;
alter table customer_care
    add constraint foreign key(e_id) references employee(e_id);

alter table offers
    add c_id int;
alter table offers
    add constraint foreign key(c_id) references customer(c_id);

alter table payment
    add c_id int;
alter table payment
    add constraint foreign key(c_id) references customer(c_id);

alter table online
    add py_id int;
alter table online
    add constraint foreign key(py_id) references payment(py_id);

alter table offline
    add py_id int;
alter table offline
    add constraint foreign key(py_id) references payment(py_id);

desc products;
desc provider;
desc warehouse;
desc orders;
desc sales;
desc employee;
desc customer;
desc customer_care;
desc offers;
desc payment;
desc online;
desc offline;

insert into provider values(987654,'retail','Mumbai');
```

```

insert into provider values(654321,'wholesale','Mumbai');
insert into provider values(020202,'wholesale','Mumbai');
select * from provider;
delete from provider
  where pr_id=987654;
select * from provider;
update provider
  set pr_address='Pune';
select * from provider;
update provider
  set pr_address='Mumbai'
  where pr_id=654321;
select * from provider;

insert into warehouse values(40105,2000,'Thane');
select * from warehouse;
delete from warehouse;
select * from warehouse;

```

Output:

Field	Type	Null	Key	Default	Extra
p_id	int	NO	PRI	NULL	
p_price	int	YES		NULL	
p_expiry	varchar(20)	YES		NULL	
pr_id	int	YES	MUL	NULL	
c_id	int	YES	MUL	NULL	
w_no	int	YES	MUL	NULL	

Field	Type	Null	Key	Default	Extra
pr_id	int	NO	PRI	NULL	
pr_type	varchar(40)	YES		NULL	
pr_address	varchar(100)	YES		NULL	

Field	Type	Null	Key	Default	Extra
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w_no	int	NO	PRI	NULL		
w_capacity	int	YES		NULL		
w_location	varchar(100)	YES		NULL		

Field	Type	Null	Key	Default	Extra
or_id	int	NO	PRI	NULL	
or_date	varchar(16)	YES		NULL	
or_time	varchar(10)	YES		NULL	
w_no	int	YES	MUL	NULL	

Field	Type	Null	Key	Default	Extra
s_number	int	NO	PRI	NULL	
s_type	varchar(20)	YES		NULL	
s_date	varchar(16)	YES		NULL	
e_id	int	YES	MUL	NULL	

Field	Type	Null	Key	Default	Extra
e_id	int	NO	PRI	NULL	
e_name	varchar(50)	NO		NULL	
e_age	int	YES		NULL	
e_experience	int	YES		NULL	

Field	Type	Null	Key	Default	Extra
c_id	int	NO	PRI	NULL	
c_name	varchar(50)	NO		NULL	
c_contact	int	YES		NULL	
c_age	int	YES		NULL	
cc_id	int	YES	MUL	NULL	

Field	Type	Null	Key	Default	Extra
-------	------	------	-----	---------	-------

cc_id	int	NO	PRI	NULL		
cc_contact	int	YES		NULL		
cc_location	varchar(100)	YES		NULL		
e_id	int	YES	MUL	NULL		
+-----+-----+-----+-----+-----+-----+						

Field	Type	Null	Key	Default	Extra	
+-----+-----+-----+-----+-----+-----+						
o_no	int	NO	PRI	NULL		
o_name	varchar(50)	YES		NULL		
o_type	varchar(20)	YES		NULL		
c_id	int	YES	MUL	NULL		
+-----+-----+-----+-----+-----+-----+						

Field	Type	Null	Key	Default	Extra	
+-----+-----+-----+-----+-----+-----+						
py_id	int	NO	PRI	NULL		
py_time	varchar(10)	YES		NULL		
py_date	varchar(16)	YES		NULL		
py_mode	varchar(50)	NO		NULL		
c_id	int	YES	MUL	NULL		
+-----+-----+-----+-----+-----+-----+						

Field	Type	Null	Key	Default	Extra	
+-----+-----+-----+-----+-----+-----+						
on_upi	varchar(80)	YES		NULL		
on_credit	varchar(80)	YES		NULL		
on_debit	varchar(80)	YES		NULL		
py_id	int	YES	MUL	NULL		
+-----+-----+-----+-----+-----+-----+						

Field	Type	Null	Key	Default	Extra	
+-----+-----+-----+-----+-----+-----+						
off_cod	varchar(80)	YES		NULL		
py_id	int	YES	MUL	NULL		
+-----+-----+-----+-----+-----+-----+						

pr_id	pr_type	pr_address	
+-----+-----+-----+			
20202	wholesale	Mumbai	

654321	wholesale	Mumbai	
987654	retail	Mumbai	
+-----+	+-----+	+-----+	+-----+
+-----+	+-----+	+-----+	+-----+
pr_id	pr_type	pr_address	
+-----+	+-----+	+-----+	+-----+
20202	wholesale	Mumbai	
654321	wholesale	Mumbai	
+-----+	+-----+	+-----+	+-----+
+-----+	+-----+	+-----+	+-----+
pr_id	pr_type	pr_address	
+-----+	+-----+	+-----+	+-----+
20202	wholesale	Pune	
654321	wholesale	Pune	
+-----+	+-----+	+-----+	+-----+
+-----+	+-----+	+-----+	+-----+
pr_id	pr_type	pr_address	
+-----+	+-----+	+-----+	+-----+
20202	wholesale	Pune	
654321	wholesale	Mumbai	
+-----+	+-----+	+-----+	+-----+
+-----+	+-----+	+-----+	+-----+
w_no	w_capacity	w_location	
+-----+	+-----+	+-----+	+-----+
40105	2000	Thane	
+-----+	+-----+	+-----+	+-----+