P4: 1)

```sql
SELECT c. customer_number, c.First_name As customer_First_name,
c.last_name As Customer_last_name, c.Phone_number As
customer_Phone_number, c.email As eustomer_email, S.id As sales_rep_id,
s.First_name As sales_rep_first_name, s.last_name As
sales_rep_last_name s. email AS sales_rep_email; t.team_name;


FromCustomers C


Join sales_representatives as c.sales_rep_s.id Join team t on c.team_id = t.
team_id;
```

PS:

```sql
SELECT. C.customer_number, c.first_name AS customer_first_name
C.last_name As customer_last_name, c.Phone_number As customer_Phone
_number, (c.email As customer_email, s.id As sales_rep_id, s.first_name As
sales_rep_first_name, s.last_name As sales_rep_last_name
s. email As sales_reP_email, t. team_name;


From customers c
Join sales_representativess on c.sales_rep_id=s. id Join teamt on
c.teamiid=t.team_id
Where c.customer_number='Co0001';
```

.

P6;

```sql
1)SELECT l.name , P.cost
From item l
Join Price_history o n l. item_number=p.item number. Where .l Item_number
='im01101045'and P.date= 2016-12-12';
```

1)

```
SELECT * From sales_representatives
Natural Join Addresses;
```

2)
```
SELFCT S.id, S, first_name, s.lastname, a address_line1
,Address_line2, a.city, s. email, s. Phone_number
From sales_representatives s
Natural Join addresses a;
```

P2:

1)
```
SELECT S.id, s, first_ name, s.lastrame, A Address _line1
,a. address_line2, a. City, s.email, s. Phone_number From sales representatives
s
Join addresses a using (address_id);
SELECT * From items
Join Price_history using (item_number);
```

P3:
```
SELECTc. customer number, c. first_name AS Castomer_first_name
c.last_name AS customer_last_name, c.Phone_number As
Customer_Phone_number, c. email), As (customer _email, s.id AS sales_rep_
last, s. first_name AS sales- reP- first_name, s.last_name As
sales_rep_lastname, s. email AS sales_rep_email
From Customers C
Join sales_reresentatives , on s.sales_reP_id=s. id;
```

```sql
SELECT
s.First_home.|| ' ' || s.last_name As rep,
m.first_name ||' '|| m.last_name As supervisor
From
sales_representatives.S;
Left Join
sales_representatives on s.supervisor_id=m.id;


P2:
SELECT
t.name_name,
c.first_name | | ' ' | | Clast_name As customer_name,
c.Phone_number As customer_Phone


From


teamt.
Full outer Join
Customer on t.team_id='c.team_id;



SELECT
c.customer_id,
C.first_name | | ' ' || c.last_name As customer_name;
s.id AS sales_rep_id
s.First_name ||' '|| s.last_name As sales_reP_name
From
customer c
cross Join
sales_representatives;
```