

QUESTION 1

```
select name as Employee
from Employee e
where e.ManagerId is not null and (e.Salary > (SELECT Salary FROM Employee e2
WHERE e2.Id=e.ManagerId))
```

QUESTION 2

```
DELETE P
FROM PERSON P, PERSON P1
WHERE P.Email = p1.Email AND P.Id>P1.Id ;
```

QUESTION 3

```
SELECT name as customers
from customers c1
left join orders o1
on c1.id =o1.customerid
where o1.id is null
```

QUESTION 4

```
UPDATE SALARY
set sex =
case
when sex = "f" then "m"
when sex = "m" then "f"
end
```

QUESTION 5

```
SELECT activity_date day,
       count(distinct user_id) active_users
FROM Activity
WHERE activity_date between DATE_SUB('2019-07-27', interval 29 day) and
'2019-07-27'
GROUP BY 1
ORDER BY 1
```

QUESTION 6

```
SELECT sell_date, COUNT(DISTINCT product) AS num_sold, GROUP_CONCAT(DISTINCT
product SEPARATOR ',') AS products
FROM Activities
GROUP BY sell_date
ORDER BY sell_date ASC
```

QUESTION 7

```
SELECT P.product_id, P.product_name
FROM Product AS P
WHERE P.product_id NOT IN
```

```
(SELECT S.product_id  
FROM Sales AS S  
WHERE S.sale_date NOT BETWEEN '2019-01-01' AND '2019-03-31')
```