Part1:

1. update gender set sex= case when sex="f" then "female" else "male" end;

2. update gender1 e set region=(select e2.region from (select \* from gender1) as e2 where e2.id=e.id-1) where e.region is null;

3.select ID, concat(FirstName,LastName) as FullName, Age order by LastName desc;

4.Select UPPER(SUBSTRING(FirstName,1,3)) from emp;

5.select \* from emp where UserName like "USER-%";

6.SELECT \* FROM Orders where OrderDate => '2016-07-05' error in table used

7.select a.Orderid, b.Product, b.salesamount from orderheader as a,orderdetails as b where a.headerid=b.headerid and b.productid!="p1";

Or

select id,product,sum(sales) from orders group by product having product<>"p1";

8. select dayname(order\_date),sum(amount) from orders1 group by dayname(order\_date);

9. select year(order\_date) as year,count(\*) as "no of orders", sum(amount) as "sales amount" from orders1 group by year(order\_date);

10. select product from orders group by product order by sum(sales) desc limit 1;

11. select count(id) from salesperson;

12. select name from salesperson where salary <50000;

13.delete name from salesperson where salary<(select avg(salary) from salesperson);

14. select case when age<40 then "below 40" when (age>40 and age<60) then "between 40-60" else "above 60" end as "age bucket" from salesperson;

15.select \* from salesperson where age=(select max(age) from customer) or age=(select min(age) from customers);

16.Select Name,Salary from salesperson where salary>50000 order by salary desc;

17.using INTERSECT keyword between two queries

18. alter table Order add CONSTRAINT 'fk\_1' FOREIGN KEY (salesperson\_id) REFERENCES salesperson(id);

19. select \* from salesperson where salary=(select salary from salesperson order by salary limit 2,1);

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Part2:

create procedure proc\_cal

as

drop table if exists calendar;

create table if not exists calendar (cdate date,weekday varchar(3),monthno int,quarter varchar(8),year int);

END\_PROCEDURE;

EXECUTE proc\_cal;

create procedure proc\_insert (cdate date,weekday string,monthno int,quarter string,year int)

as

insert into test\_table1 values (cdate,weekday ,monthno,quarter,year);

END\_PROCEDURE;

EXECUTE proc\_insert('1981-01-01','sunday',1,'',1981 );

select \* FROM calendar;

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Part 3:

1.select \* from table where email like '%[a-zA-Z0-9\_\-]+@([a-zA-Z0-9\_\-]+\.)+(com|org|edu|nz|au])%'

3. It is used to specify that the function may return a different result given a set of input parameters.

4. The delimiter command is used to change the default delimiter with userdefined symbol as a delimiter.

5. There is no symbol or operator to represent not null.