Practical 6a: Aggregating data using group functions

//1. display total salary of employee

select sum(salary) total from emp

//2. display minimum comission of employees

select min(comm) mincomm from emp

//3. display lowest salary of employees

select min(salary) minsal from emp

//4. display total no of employees

select count(\*) from emp

//5. display average commission of employees

select avg(comm) from emp

//6. display total salary according to job wise

update emp set jobcode=100 where jobcode is null

select sum(salary) from emp group by jobcode

//7. display name of employee with lowest salary

select ename,min(salary) minsal from emp group by ename

//8. display salary for each department

select salary,dno from emp

//9. display department no. and no. of employees for every department earning

salary more than 30kselect dno,

select dno,count(ename) noofemp from emp where salary>30000 group by dno

//10. display department no. with average salary beyond 20k

select dno, avg(salary) avgsalary from emp group by dno having avg(salary)>20000

//11. display department no., no. of employees whose commission within the range

of 100 to 300 atleast 2 employees working for each department

select dno, count(ename) noofemp from emp where comm between 100 and 300 group by dno having count(eno)>=2

//12. display total salary of those employee whose name starts with A for each

job having total salary below 50k. arrange the output according to the

jobcode.

select jobcode,sum(salary) tsal from emp where ename like'A%' group by jobcode having sum(salary)<50000 order by jobcode

Practical 6b: Use of Set operators

//1. display employee working for either dept d1 or dept d2

select ename from emp where dno='d1' union select ename from emp where dno='d2'

//2. display common records of both the tables

select dno from emp intersect select dno from dept

//3. display uncommon records of both the tables

select dno from emp except select dno from dept

//4. display employees working for d1 but not for dept d2

select ename from emp where dno='d1' except select dno from emp where dno='d2'