**AIM:** Examples on Summary Queries: Queries using Aggregate functions,GROUP By and Having Clauses, ROLLUP Operator.

Count(\*)

Sum()

Min(),max()

Avg()

Sample queries for exp 6

1. **Count the total number of employees whose salaries exceed 400000 in each department but only for department where more than 3 employees work.**
2. **For each department that has more than 3emps ,retrieve the depy. No. and no. of its emps who are more than 30000**
3. **Retrive the total no.of employees in the company**
4. **Retrive the no. of emps in research dept**.
5. **Count the no. of distinct salary values in the database employee**
6. **Find the sum of salaries of all employees the maximum salary,minimum salary and the avg salary**
7. **Find the sum of salaries of all employees the maximum salary,minimum salary and the avg salary for each department ,retrieve the dno ,no of emp’s in the dept and there avg salary.**
8. **for each project retrieve the pno,pname,&no of employes who works on that project from the project table**
9. **for each project,on which more than 2 employees work,retrieve the pno ,pname,no of emp’s who work on project**
10. **for each project,retrieve the pno,name,no of emp’s from dept 5 who work on the project**

**8Ans**

**Select dno ,count(ssn) ,avg(salary) from department,employee where employee.dno=department.dnumber group by dno;**

**9Ans**

**Select pno,pname,count(essn) from project,works\_on where project.pnumber=works\_on.pno group by pname,pno;**

**10 Ans**

**Select pno,pname,count(essn) from project,works\_on where project.pnumber=works\_on.pno group by pname,pno having count(\*)>2;**

**11 Ans**

**Select pno,pname,count(ssn) from project,works\_on,employee emp,department dep where project.pnumber=works\_on.pno and emp.dno=dep.dnumber and project.dnum=emp.dno and emp.dno=5 group by pno,pname;**

Rollup operator

select count(dno),dno from employee group by dno;

select count(dno),dno from employee group by dno with rollup;