

1. List the dno with highest average salary.

Answer: `select dno,avg(sal) from emp group by dno having avg(sal)=(select max(avg(sal)) from emp group by dno);`

2. Write a query to display eno,ename,job,dno,location from employee and department table where jobs are analyst,clerk and manager.

Answer: `select eno,ename,job,emp.dno,dloc from emp,dept where emp.dno=dept.dno and job in('clerk','analyst','manager');`

3. List the names of employees who earn lowest salary in each department.

Answer: `select ename from emp where sal in(select min(sal) from emp group by dno);`

4. Display the name,job and phone number whose salary is greater than the highest salary for jones.

Answer: `select ename,job,phno from emp where sal>(select max(sal) from emp where ename='jones');`

5. Find all employees who have the same job as 'clerk'.

Answer: `select * from emp where job='clerk';`

6. Join the employee number and dmgrno whose department number is 10 using UNION.

Answer: `select eno from emp where dno=10 union select emgrno from dept where dno=10;`

7. Display the dno which doesn't contain any employees.

Answer: `select dno from dept minus select dno from emp;
(select dno from dept intersect select dno from emp);`

Program to add two numbers.

```
set serveroutput on;
declare
a number(2);
b number(2);
c number(3);
begin
a:=&a;
b:=&b;
c:=a+b;
dbms_output.put_line('the sum is|| c);
end;
```

Program to print the greatest among two numbers.

```
set serveroutput on;
declare
a number(2);
b number(2);
c number(3);
begin
a:=&a;
b:=&b;
if a>b then
    dbms_output.put_line('a is greater');
else
    dbms_output.put_line('b is greater');
end if;
end;
```