Solve

1) List the employees who join before 2012?

→ select * from employees where join_date < ('2012-1-1');

2) List the emps in ascending order of their salary?

→ select * from employees order by sal asc;

3) List all emps in ascending order of Annual Salary.

→ select *, (Salary*12) as AnnualSal
from Employees order by AnnualSal asc;

4) find all employee who work for HAL Project.

→ select * from Employee, Works_On
where Works_On.Emp_Id = Employee.Emp_Id
and Works_ON.Proj_No = (select Pro_No from
Project where Proj_Name="HAL");

5) List the emps whos annual salary ranging from 1000000 and 1200000.

→ Select * from Employee where (Salary*12) between 1000000 and 1200000;

6) List the emps who joined in Janvary

→ select * from employee where Month(Join_Date)='1';

7) List the emp whos salary is 5 digit no. and not starting with digit 3.

→ select * from Employee where Salary like '____'
and Salary not like '3%';

8) Find the project Location of 4141 and 5151

→ Select Pro_No, Pro_Location from Project where
Pro_No = 4141 or Pro_No = 5151;
in (4141, 5151);

9) List the department details where at least two emps are working.

→ Select * from Dept
where Dept_No in
(Select Dept_ID from Employee
Group by Dept_Id
having count(Dept_Id) >= 2);

10) Update Salary of Employee 104

→ Update Employee set Salary = 80000
where Emp_Id = 104;

11) Find Maximum Salary of each department.

Select Dept_Id, MAX(Salary) from Employee
Group By Dept_Id;

12) List the First Name of Employee F_names contains 'A'.

→ Select ~~* from~~
F_name from Employee
F_name like '%A%';

13) List the employee whose emp-id not starting with digit 3.

→ Select * from employee
where Emp_Id not like '%3';

14) Display unique Job from Works_ON table;

→ Select distinct(Relation) from Works_On;

O/P- > clerk
> Jr. Eng
> Sr. Eng
> Manager

Column Name can be Job
or designation

15) Add New department 555 chemical in department table and then delete entry from department table..

→ > Insert into Dept values (555, 'chemical', 105, '2010,04-23');
> delete from Dept where Dept_Name = 'Chemical';

16) Check whether all employee Number are indeed unique.

→ Select Emp_Id, count(*) from employee Group By Emp_Id;

17) Select Maximum average salary drawn for each dept.

→ Select max(avg_sal) from (Select avg(Salary) from Employee as avg_sal Group By Dept_Id);

18) List the unique jobs of dept 111 and 222 in desc order

→ select distinct(Relation) from Works_on where Dept_Id in (111,222) order by Relation desc;

19) List the highest paid employee..

→ Select * from Employee where Salary = (Select max(Salary) from Employee);