### Day 2

**Assignments**

1. **Create a query that will display the name, job, department name, salary and salary grade for all employees**

**🡪select e.JOB , e.ENAME ,s.grade ,d.dname**

**from EMP e , salgrade s ,dept d**

**where e.deptno=d.deptno**

**/**

1. **Write a query that displays the grade of all employees based on the value of the column JOB, as per the table shown below:**

|  |  |
| --- | --- |
| **JOB** | **GRADE** |
| **PRESIDENT** | **A** |
| **MANAGER** | **B** |
| **ANALYST** | **C** |
| **SALESMAN** | **D** |
| **CLERK** | **E** |
| **None of above** | **O** |

**🡪 select ename,job,decode(upper(job),'PRESIDENT','A','MANAGER','B','ANALYST','C','SALESMAN','D','CLERK','E','O')**

**from emp**

1. **Display the employees’ names and commissions for all employees, if no commission, displays (no commission).**

**🡪select e.ENAME ,NVL(TO\_CHAR(e.COMM),'no commision')**

**from EMP e**

**/**

1. **Write a query that will display the difference between the highest and lowest salaries in each department.**

**🡪select d.deptno,max(e.sal)-min(e.sal)**

**from EMP e , dept d**

**group by d.deptno**

**/**

1. **write a query that will display the department name, location name, number of employees and the average salary for all employee in that department, round the average salary to two decimal places.**

**🡪** **select d.DNAME,round(AVG(e.sal),2), d.LOC ,count(e.ENAME)**

**from EMP e , dept d**

**group by d.DNAME , d.LOC**

**/**

1. **Display the employee number, name and salary for all employee who earn more than the average salary.**

**🡪select e.ENAME,e.sal,e.EMPNO**

**from EMP e**

**where e.sal >**

**(select avg(e.sal)**

**from emp e**

**)**

**/**

1. **Display the employee name and employee number along with their manager’s name and manager number .Label the columns Employee, Emp #, Manager, and Mgr #, respectively.**

**🡪select e.ENAME,e.EMPNO,m.ENAME,m.mgr**

**from EMP e, EMP m**

**where m.EMPNO=e.mgr**

**/**

1. **Display the manager number and the salary of the lowest paid employee for the manager. Exclude any one whose manager is not known. Exclude any groups where the minimum salary is less than $1000. Sort the output in descending order of salary.**

**🡪select m.mgr,avg(e.sal)**

**from EMP e, EMP m**

**where e.EMPNO=m.mgr**

**group by m.mgr**

**having avg(e.sal)>1000**

**order by avg(e.sal) desc**

**/**

1. **Display the minimum salary in each department excluding the (minimum salary in the company).**

**🡪** **select min(e.sal), d.dname**

**from EMP e , dept d**

**where e.deptno=d.deptno**

**group by d.dname**

**having min(e.sal)>any(**

**select min(e.sal)**

**from emp e**

**)**

**/**

1. **Create a query to display the employees that earn salary that is higher than the salary of all the clerks. Sort results on salary from highest to lowest.**

***Note: use Multi-row sub query.***

**🡪** select e.ename

from EMP e

where e.sal>

all

(

select min(e.sal)

from emp e

where e.ename='CLARK'

)

order by e.sal

/

1. **Write a script file to display the employee name in a given department name the department name given is case insensitive , after executing the script , the commands are not displayed .**

**🡪** **select e.ename**

**from EMP e ,dept d**

**where e.deptno=d.deptno and dname=UPPER('&dname')**

**/**

1. **Write a script file to display the employee name, job, and hire date for all employees who started between a given ranges. Concatenate the name and job together .separated by a space and comma, and label the column Employees. Use the format MM/DD/YYYY.**

**🡪** **select e.ename ,e.hiredate**

**from EMP e**

**where to\_char(e.hiredate,'MM/DD/YYYY') between to\_date('&date1','MM/DD/YYYY') and to\_date('&date2','MM/DD/YYYY')**

**/**