

PRACTICAL - 7

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-- Q1. Display sum of salaries of each job.
select job_name, sum(salary) from EMPLOYEE group by job_name;

-- Q2. Display the details of employees sorting the salary in increasing order.
select * from EMPLOYEE order by salary asc;

-- Q3. Display number of employees working in each department and their department name.
select e.dep_no, d.dname, count(*) from EMPLOYEE e inner join DEPARTMENT d on
e.dep_no = d.deptno group by e.dep_no, d.dname;

-- Q4. Display lowest paid employee details under each manager.
select manager_id, min(salary) from EMPLOYEE where manager_id is not null group by
manager_id;

-- Q5. Show the record of employee earning salary greater than 1600 in each department.
select * from EMPLOYEE where salary > 1600 order by dep_no;

-- Q6. Display the employee names and id of the department having more than five employees.
select emp_name, emp_id from EMPLOYEE where dep_no in (select dep_no from EMPLOYEE
group by dep_no having count(*) > 5);

-- Q7. Display the employee of each department who don't earn more than 1000$.
select * from EMPLOYEE where salary <= 1000 order by dep_no;

-- Q8. Find out how many employees work under the name of salesman.
SELECT COUNT(*) FROM EMPLOYEE WHERE job_name='SALESMAN';

-- Q9. Display the total employees who work as manager with increasing order of their salaries.
SELECT * FROM EMPLOYEE WHERE job_name='MANAGER' ORDER by salary;

-- Q10. Find the location of department accounting and no of employees working in that department.
SELECT citylocation, COUNT(emp_id) FROM DEPARTMENT d,EMPLOYEE e WHERE
d.dname='Accounting' group by citylocation;

-- Q11. Display the employee of each department with highest salary employee at the top of each list.
SELECT * FROM EMPLOYEE ORDER by dep_no,salary DESC;

-- Q12. Display the highest and lowest salary employee of each department.
SELECT dep_no, (SELECT emp_name FROM EMPLOYEE e2 WHERE e1.dep_no = e2.dep_no ORDER BY
salary DESC LIMIT 1) AS highest_salary_employee, (SELECT emp_name FROM EMPLOYEE e3 WHERE
e1.dep_no = e3.dep_no ORDER BY salary ASC LIMIT 1) AS lowest_salary_employee FROM
EMPLOYEE e1 GROUP BY dep_no;
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Q1.

job_name	sum(salary)
PRESIDENT	6000
MANAGER	8257
ANALYST	6200
CLERK	4550
SALESMAN	6000

Q3.

dep_no	dname	count(*)
1001	Accounting	3
3001	Sales	6
2001	Research	5

Q8.

COUNT(*)
4

Q4.

manager_id	min(salary)
68319	2550
65646	3100
69062	900
66928	1050
67858	1200
67832	1400

Q6.

emp_name	emp_id
BLAZE	66928
ADELYN	64989
WADE	65271
MADDEN	66564
TUCKER	68454
JULIUS	69000

Q10.

citylocation	COUNT(emp_id)
New York	14

Q5.

emp_id	emp_name	job_name	manager_id	hire_date	salary	E_Bonus	dep_no
68319	KAYLING	PRESIDENT	NULL	1991-11-18	6000	300	1001
67832	CLARE	MANAGER	68319	1991-06-09	2550	200	1001
65646	JONAS	MANAGER	68319	1991-04-02	2957	200	2001
67858	SCARLET	ANALYST	65646	1997-04-19	3100	250	2001
69062	FRANK	ANALYST	65646	1991-12-03	3100	250	2001
66928	BLAZE	MANAGER	68319	1991-05-01	2750	200	3001
64989	ADELYN	SALESMAN	66928	1991-02-20	1700	180	3001

Q2.

emp_id	emp_name	job_name	manager_id	hire_date	salary	E_Bonus	dep_no
63679	SANDRINE	CLERK	69062	1990-12-18	900	150	2001
69000	JULIUS	CLERK	66928	1991-12-03	1050	150	3001
68736	ADNRES	CLERK	67858	1997-05-23	1200	150	2001
65271	WADE	SALESMAN	66928	1991-02-22	1350	180	3001
66564	MADDEN	SALESMAN	66928	1991-09-28	1350	180	3001
69324	MARKER	CLERK	67832	1992-01-23	1400	150	1001
68454	TUCKER	SALESMAN	66928	1991-09-08	1600	180	3001
64989	ADELYN	SALESMAN	66928	1991-02-20	1700	180	3001
67832	CLARE	MANAGER	68319	1991-06-09	2550	200	1001
66928	BLAZE	MANAGER	68319	1991-05-01	2750	200	3001
65646	JONAS	MANAGER	68319	1991-04-02	2957	200	2001
67858	SCARLET	ANALYST	65646	1997-04-19	3100	250	2001
69062	FRANK	ANALYST	65646	1991-12-03	3100	250	2001
68319	KAYLING	PRESIDENT	NULL	1991-11-18	6000	300	1001

Q7.

emp_id	emp_name	job_name	manager_id	hire_date	salary	E_Bonus	dep_no
63679	SANDRINE	CLERK	69062	1990-12-18	900	150	2001

Q9.

emp_id	emp_name	job_name	manager_id	hire_date	salary	E_Bonus	dep_no
67832	CLARE	MANAGER	68319	1991-06-09	2550	200	1001
66928	BLAZE	MANAGER	68319	1991-05-01	2750	200	3001
65646	JONAS	MANAGER	68319	1991-04-02	2957	200	2001

Q11.

emp_id	emp_name	job_name	manager_id	hire_date	salary	E_Bonus	dep_no
68319	KAYLING	PRESIDENT	NULL	1991-11-18	6000	300	1001
67832	CLARE	MANAGER	68319	1991-06-09	2550	200	1001
69324	MARKER	CLERK	67832	1992-01-23	1400	150	1001
67858	SCARLET	ANALYST	65646	1997-04-19	3100	250	2001
69062	FRANK	ANALYST	65646	1991-12-03	3100	250	2001
65646	JONAS	MANAGER	68319	1991-04-02	2957	200	2001
68736	ADNRES	CLERK	67858	1997-05-23	1200	150	2001
63679	SANDRINE	CLERK	69062	1990-12-18	900	150	2001
66928	BLAZE	MANAGER	68319	1991-05-01	2750	200	3001
64989	ADELYN	SALESMAN	66928	1991-02-20	1700	180	3001
68454	TUCKER	SALESMAN	66928	1991-09-08	1600	180	3001
65271	WADE	SALESMAN	66928	1991-02-22	1350	180	3001
66564	MADDEN	SALESMAN	66928	1991-09-28	1350	180	3001
69000	JULIUS	CLERK	66928	1991-12-03	1050	150	3001

Q12.

dep_no	highest_salary_employee	lowest_salary_employee
1001	KAYLING	MARKER
3001	BLAZE	JULIUS
2001	SCARLET	SANDRINE