Instructions:

- 1. Please use SCOTT schema to complete this homework.
- 2. For question 1 to 10, please use the Figure-1 for reference.

Figure-1:

ΕN	IP							
≣	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	СОММ	DEPTNO
•	7369	SMITH	CLERK	7902	12/17/1980	800		20
	7499	ALLEN	SALESMAN	7698	2/20/1981	1600	300	30
	7521	WARD	SALESMAN	7698	2/22/1981	1250	500	30
	7566	JONES	MANAGER	7839	4/2/1981	2975		20
	7654	MARTIN	SALESMAN	7698	9/28/1981	1250	1400	30
	7698	BLAKE	MANAGER	7839	5/1/1981	2850		30
	7782	CLARK	MANAGER	7839	6/9/1981	2450		10
	7788	SCOTT	ANALYST	7566	4/19/1987	3000		20
	7839	KING	PRESIDENT		11/17/1981	5000		10
	7844	TURNER	SALESMAN	7698	9/8/1981	1500	0	30
	7876	ADAMS	CLERK	7788	5/23/1987	1100		20
	7900	JAMES	CLERK	7698	12/3/1981	950		30
	7902	FORD	ANALYST	7566	12/3/1981	3000		20
	7934	MILLER	CLERK	7782	1/23/1982	1300		10

DEPT

≣	DEPTNO	DNAME	LOC
•	10	ACCOUNTING	NEW YORK
	20	RESEARCH	DALLAS
	30	SALES	CHICAGO
	40	OPERATIONS	BOSTON

1.

Question without Subquery [use EMP] Display the minimum Salary from EMP table.

Display the name(s) of employee(s) who are making the minimum **question with Subquery** [use EMP] salary (use EMP table).

For exampe:

MIN(SAL)

ENAME	SAL
SMITH	800
12112111	000

Write your query here:

800

SQL> select min (sal) from emp;

MIN(SAL) -----950 Write your query here:

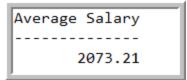
SQL> select ename, sal from emp

where sal=950; 2 3 4 5

ENAME SAL ------JAMES 950

Question without Subquery [use EMP] Display the Average Salary. Give a suitable heading and \$ figure with rounded to 2 decimals.

For example:



Question with Subquery [use EMP]

Display empno, ename, sal, job, deptno for all employees who are making more than Average Salary
Use \$ for SAL with rounded to 2 decimals.

For exampe:

EMPNO	ENAME	SAL	JOB	DEPTNO
7698 7782 7788	JONES BLAKE CLARK SCOTT KING	\$29,75.00 \$28,50.00 \$24,50.00 \$30,00.00 \$50,00.00 \$30,00.00	MANAGER MANAGER ANALYST PRESIDENT	20 30 10 20 10

Write your query here: col SAL for 999,999.99 Select round(SAL,2) as "SAL" from emp;

Write your query here:

col sal format \$ 999.999,99
Select
Empno,
ename,sal,job,deptno
from
emp

where

round(SAL,2) as "SAL";

3.

Question without Subquery [use DEPT] Display the department number of SALES

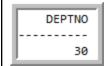
Question with Subquery [use EMP, DEPT]

Display Empno, ename, sal, job, deptno of all employees who are working in SALES department.

Use \$ for SAL with rounded to 2 decimals.

For example:

For example:



EMPNO	ENAME	SAL	JOB	DEPTNO
	ALLEN	\$16,00.00		30
7654	WARD MARTIN	\$12,50.00 \$12,50.00	SALESMAN	30 30
	BLAKE TURNER	\$28,50.00 \$15,00.00		30 30
7900	JAMES	\$9,50.00	CLERK	30

Write your query here:

dept=sales;

Select Deptno from emp

where

Write your query here:

select empno,ename,'\$' || to_char (round (sal,2), '99,99.99') sal,job,deptno from emp where deptno=(select deptno from dept where dname= 'sales');

4.

Question without Subquery [use DEPT] Display the department number of CHICAGO

Question with Subquery [use EMP]

Display Empno, ename, sal, job, deptno of all employees who are working in Chicago and making more than combined average salary of all employees..

For example:

For example:

Write your query here:

select deptno from dept where loc = 'CHICAGO';

Write your query here:

select empno,ename,sal,job,deptno from emp where deptno=20 and sal>(select avg (sum(sal)) from emp group by sal;

5.

Question without Subquery [use DEPT] Display the department number of BOSTON

Question with Subquery [use EMP]

Display how many employees are working in BOSTON? I just need the count.

For example:

For example:

Write your query here:	Write your query here:
select deptno from dept where loc='BOSTON';	select count(*) from emp where deptno=(select deptno from emp where deptno=40);

Question without Subquery [use DEPT] Display the department number of RESEARCH	Question with Subquery [use EMP] Display the average salary of RESEARCH department.
For example:	For exampe:
Write your query here:	Write your query here:
select deptno from dept where dname='RESEARCH';	select avg(sal) from emp where deptno=20;

7.

Question without Subquery [use EMP] Display the deptno of each manager? For example:	Question with Subquery [use EMP, DEPT] Display empno, ename, job and salary of all managers who are working in SALES or ACCOUNTING department?
	For example:

Write your query here:	Write your query here:
select sal from emp where job='MANAGER';	select empno,ename,job,sal from emp where job= 'MANAGER' and deptno in (select deptno from dept where dname in ('ACCOUNTING','SALES'));

Question without Subquery [use EMP] Display total salary of each department.	Question with Subquery [use EMP, DEPT] Display the Deptno, total salary of RESEARCH department.
For example:	For exampe:
Write your query here:	Write your query here:
select deptno,sum(sal) from emp group by deptno;	select deptno,sum(sal) from emp where deptno=(select deptno from dept where dname='RESEARCH') group by deptno;

Question without Subquery [use EMP] Display Deptno and total employees working in each department.	Question with Subquery [use EMP, DEPT] Display department number and total employees who are NOT working in BOSTON.
For example:	For exampe:
Write your query here:	Write your query here:
select deptno,count(*) from emp group by deptno;	select deptno,count(*) from emp where deptno<>(select deptno from dept where loc='BOSTON') group by deptno;

10.

Question without Subquery [use EMP] List the maximum salary of each department For example:	Question with Subquery [use EMP, DEPT] List the empno, ename, sal and deptno of employee who is making the maximum salary in New York.
	For exampe:
Write your query here:	Write your query here:
select max(sal) from emp group by deptno;	select empno,ename,sal,deptno from emp where deptno=(select deptno from dept where loc='NEW YORK') and sal=(select max(sal) from emp);

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