PRACTICALS ON SUBQUERY

EMP_NO	NAME	J0B	MGR	HIREDATE	SAL	COMM	DEPT_NO
7369	SMITH	CLERK	7907	17-DEC-80	800	9	20
7499	ALLEN	SALESMAN	7698	10-FEB-81	1600	300	30
7566	JONAS	MAMAGER	7839	02-APR-81	2975	9	20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7698	DLAKE	MAMAGER	7839	08-MAY-81	2850	9	30
7782	CLARK	MAMAGER	7839	09-JUN-81	2450	9	10
7788	SCOTT	ANALYST	7566	09-DEC-82	3000	9	20
7839	KING	PRESIDENT	9	17-NOV-81	5000	9	10
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	9	30
7876	ADAMS	CLERK	7788	12-JAN-83	1100	0	20
7900	JAMES	CLERK	7698	03-DEC-81	950	0	30
7902	FORD	ANALYST	7566	03-DEC-81	3000	0	20
7934	MILLER	CLERK	7782	23-JAN-82	1300	9	10

1 To get the highest-paid employee information from the Employee table

QUERY: SELECT * FROM employee__ WHERE SAL = (SELECT MAX(SAL) FROM employee__);

SQL> SELECT +	* FROM	employee	WHERE SAL =	= (SELECT	MAX(SAL) FROI	1 employee_	_);
EMP_NO NA	AME	JOB	MGR	HIREDATE	SAL	СОММ	DEPT_NO
7839 KI	I NG	PRESIDENT	0	17-NOV-81	5000	9	10

2 Whose employee job is the same as the job of 'SMITH'?

QUERY: SELECT * FROM employee __ WHERE JOB = (SELECT JOB FROM employee __ WHERE NAME = 'SMITH');

SQL> SELECT * FROM	l employee WHE	RE JOB = (SELECT JOB	FROM employe	e WHERE	NAME =
EMP_NO NAME	JOB	MGR HIREDATE	SAL	СОММ	DEPT_NO
7369 SMITH 7876 ADAMS 7900 JAMES 7934 MILLER	CLERK CLERK CLERK CLERK	7907 17-DEC-80 7788 12-JAN-83 7698 03-DEC-81 7782 23-JAN-82	800 1100 950 1300	9 9 9	20 20 30 10

3 Whose salary is more than the max salary of the job is "SALESMAN"?

QUERY: select * from employee__ where SAL >(select MAX(SAL) FROM EMPLOYEE__ WHERE JOB='SALESMAN');

SQL> select * from employee_ where SAL >(select MAX(SAL) FROM EMPLOYEE_ WHERE JOB='SALESMAN');

EMP_NO	NAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7566	JONAS	MAMAGER	7839	02-APR-81	2975	9	20
	DLAKE	MAMAGER		08-MAY-81	2850	9	30
7782	CLARK	MAMAGER	7839	09-JUN-81	2450	9	10
7788	SCOTT	ANALYST	7566	09-DEC-82	3000	6	20
7839	KING	PRESIDENT	9	17-NOV-81	5000	0	10
7902	FORD	ANALYST	7566	03-DEC-81	3000	9	20

4 Whose employee job is same as the job of "BLAKE" and who are earning Salary more than

[&]quot;BLAKE" salary?

QUERY: SELECT * FROM employee__ WHERE JOB = (SELECT JOB FROM employee__ WHERE NAME = 'DLAKE') AND SAL > (SELECT SAL FROM employee__ WHERE NAME = 'DLAKE');

5 Display senior employee?

QUERY: SELECT * FROM employee WHERE HIREDATE = (SELECT MIN(HIREDATE) FROM employee);

SQL> SELECT * FROM employee_ WHERE JOB = (SELECT JOB FROM employee_ WHERE NAME = 'DLAKE') AND SAL > (SELECT SAL FROM employee_ WHERE NAME = 'DLAKE');

EMP_NO	NAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7566	JONAS	MAMAGER	7839	02-APR-81	2975	9	20

SQL> SELECT * FROM employee__ WHERE HIREDATE = (SELECT MIN(HIREDATE) FROM employee__);

EMP_NO N	NAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7369 9	HTIMS	CLERK	7907	17-DEC-80	800	9	20

6 Employee details whose employee job is same as the job of the employee "SMITH", and

"CLARK"?

QUERY: select * from employee__ where JOB in (select JOB from employee__ where NAME ='SMITH' or NAME='CLARK');

SQL> select * from employee_ where JOB in (select JOB from employee_ where NAME ='SMITH' or NAME='CLARK');

NAME	J0B	MGR	HIREDATE	SAL	СОММ	DEPT_NO
MILLER	CLERK	7782	23-JAN-82	1300	9	10
JAMES	CLERK	7698	03-DEC-81	950	9	30
ADAMS	CLERK	7788	12-JAN-83	1100	9	20
SMITH	CLERK	7907	17-DEC-80	800	9	20
CLARK	MAMAGER	7839	09-JUN-81	2450	0	10
DLAKE	MAMAGER	7839	08-MAY-81	2850	0	30
JONAS	MAMAGER	7839	02-APR-81	2975	9	20
	NAME MILLER JAMES ADAMS SMITH CLARK DLAKE JONAS	MILLER CLERK JAMES CLERK ADAMS CLERK SMITH CLERK CLARK MAMAGER DLAKE MAMAGER	MILLER CLERK 7782 JAMES CLERK 7698 ADAMS CLERK 7788 SMITH CLERK 7907 CLARK MAMAGER 7839 DLAKE MAMAGER 7839	MILLER CLERK 7782 23-JAN-82 JAMES CLERK 7698 03-DEC-81 ADAMS CLERK 7788 12-JAN-83 SMITH CLERK 7907 17-DEC-80 CLARK MAMAGER 7839 09-JUN-81 DLAKE MAMAGER 7839 08-MAY-81	MILLER CLERK 7782 23-JAN-82 1300 JAMES CLERK 7698 03-DEC-81 950 ADAMS CLERK 7788 12-JAN-83 1100 SMITH CLERK 7907 17-DEC-80 800 CLARK MAMAGER 7839 09-JUN-81 2450 DLAKE MAMAGER 7839 08-MAY-81 2850	MILLER CLERK 7782 23-JAN-82 1300 0 JAMES CLERK 7698 03-DEC-81 950 0 ADAMS CLERK 7788 12-JAN-83 1100 0 SMITH CLERK 7907 17-DEC-80 800 0 CLARK MAMAGER 7839 09-JUN-81 2450 0 DLAKE MAMAGER 7839 08-MAY-81 2850 0

7 Display all employees, whose salary is more than any "SALESMAN" salary?

QUERY: SELECT * FROM employee WHERE SAL > ANY (SELECT SAL FROM employee WHERE JOB = 'SALESMAN');

SQL> SELECT * FROM employee__ WHERE SAL > ANY (SELECT SAL FROM employee__ WHERE JOB = 'SALESMAN');

EMP_NO	NAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7839	KING	PRESIDENT	9	17-NOV-81	5000	9	10
7788	SCOTT	ANALYST	7566	09-DEC-82	3000	0	20
7902	FORD	ANALYST	7566	03-DEC-81	3000	9	20
7566	JONAS	MAMAGER	7839	02-APR-81	2975	9	20
7698	DLAKE	MAMAGER	7839	08-MAY-81	2850	0	30
7782	CLARK	MAMAGER	7839	09-JUN-81	2450	9	10
7499	ALLEN	SALESMAN	7698	10-FEB-81	1600	300	30
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	9	30
7934	MILLER	CLERK	7782	23-JAN-82	1300	9	10

QUERY: SELECT * FROM employee__ WHERE SAL > ALL (SELECT SAL FROM employee__ WHERE JOB = 'SALESMAN');

SQL> SELECT * FROM employee WHERE SAL > ALL (SELECT SAL FROM employee WHERE JOB = 'SALESMAN');

EMP_NO	NAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7566	JONAS	MAMAGER	7839	02-APR-81	2975	9	20
7698	DLAKE	MAMAGER	7839	08-MAY-81	2850	9	30
7782	CLARK	MAMAGER	7839	09-JUN-81	2450	9	10
7788	SCOTT	ANALYST	7566	09-DEC-82	3000	9	20
7839	KING	PRESIDENT	9	17-NOV-81	5000	9	10
7902	FORD	ANALYST	7566	03-DEC-81	3000	9	20

9. find the name (first_name, last_name) and salary of the employees who earn a salary that is

higher than the salary of Clerk . Sort the results of the salary of the lowest to highest

QUERY: SELECT NAME, SAL

FROM employee___

WHERE SAL >all (SELECT SAL FROM employee__ WHERE JOB = 'CLERK')

ORDER BY SAL ASC;

```
SQL> SELECT NAME,SAL
2 FROM employee__
3 WHERE SAL >all (SELECT SAL FROM employee__ WHERE JOB = 'CLERK')
4 ORDER BY SAL ASC;
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NAME	SAL
TURNER	1500
ALLEN	1600
CLARK	2450
DLAKE	2850
JONAS	2975
FORD	3000
SCOTT	3000
KING	5000

10 display name and salary of employee who earns more than average salary and works in as analyst job

QUERY:

SELECT * FROM employee WHERE SAL > ALL (SELECT AVG(SAL) FROM employee WHERE JOB='ANALYST');

SQL> SELECT * FROM employee__ WHERE SAL > ALL (SELECT AUG(SAL) FROM employee__ WHERE JOB='ANALYST');

EMP_NO	NAME	JOB	MGR	HIREDATE	SAL	СОММ	DEPT_NO
7839	KING	PRESIDENT	9	17-NOV-81	5000	9	10

SQL> |