

Data Base LAB:2

Q 1: SELECT * FROM EMP;

The screenshot shows the SQL Commands window in Oracle Application Express. The command 'SELECT * FROM EMP;' has been entered and executed. The results are displayed in a table with 12 columns: EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPTNO. The table contains 14 rows of data, including employees like SMITH, ALLEN, WARD, JONES, MARTIN, BLAKE, CLARK, SCOTT, KING, and TURNER. The interface also shows tabs for Results, Explain, Describe, Saved SQL, and History. The status bar at the bottom indicates '10 rows returned in 0.00 seconds' and 'CSV Export'.

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	17-DEC-80	800	-	20
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7666	JONES	MANAGER	7839	02-APR-81	2975	-	20
7654	MARTIN	SALESMAN	7698	26-SEP-81	1250	1400	30
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30

Q 2: SELECT deptno, loc FROM dept;

The screenshot shows the SQL Commands window in Oracle Application Express. The command 'SELECT deptno, loc FROM dept;' has been entered and executed. The results are displayed in a table with 2 columns: DEPTNO and LOC. The table contains 4 rows of data, showing departments 10 (NEW YORK), 20 (DALLAS), 30 (CHICAGO), and 40 (BOSTON). The interface also shows tabs for Results, Explain, Describe, Saved SQL, and History. The status bar at the bottom indicates '4 rows returned in 0.01 seconds' and 'CSV Export'.

DEPTNO	LOC
10	NEW YORK
20	DALLAS
30	CHICAGO
40	BOSTON

Q 3: SELECT ename, sal, sal+300 FROM emp;

The screenshot shows the SQL Developer interface. The SQL Command window contains the query: `SELECT ename, sal, sal+300 FROM emp;`. The Results window displays the following data:

ENAME	SAL	SAL+300
SMITH	800	1100
ALLEN	1600	1900
WARD	1250	1550
JONES	2975	3275
MARTIN	1250	1550
BLAKE	2850	3150
CLARK	2450	2750
SCOTT	3000	3300
KING	5000	5300
TURNER	1500	1800

More than 10 rows available. Increase rows selector to view more rows.
10 rows returned in 0.00 seconds [CSV Export](#)

Application Express 2.1.0.0.39
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Q 4: SELECT ename, sal, 12*sal+100 FROM emp;

The screenshot shows the SQL Developer interface. The SQL Command window contains the query: `SELECT ename, sal, 12*sal+100 FROM emp;`. The Results window displays the following data:

ENAME	SAL	12*SAL+100
SMITH	800	9700
ALLEN	1600	19300
WARD	1250	15100
JONES	2975	35800
MARTIN	1250	15100
BLAKE	2850	34300
CLARK	2450	29500
SCOTT	3000	36100
KING	5000	60100
TURNER	1500	18100

More than 10 rows available. Increase rows selector to view more rows.
10 rows returned in 0.00 seconds [CSV Export](#)

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Q 5 : SELECT ename, sal, 12*(sal+100) FROM emp;

The screenshot shows the SQL Developer interface with the following details:

- SQL Commands:** The query `SELECT ename, sal, 12*(sal+100) FROM emp;` is entered in the main text area.
- Buttons:** 'Autocommit' is checked, 'Display' is set to 10, and 'Run' is highlighted.
- Results:** A table with 10 rows is displayed below the query.

ENAME	SAL	12*(SAL+100)
SMITH	800	10800
ALLEN	1600	20400
WARD	1250	16200
JONES	2975	36900
MARTIN	1250	16200
BLAKE	2850	35400
CLARK	2450	30600
SCOTT	3000	37200
KING	5000	61200
TURNER	1500	19200

More than 10 rows available. Increase rows selector to view more rows.
10 rows returned in 0.00 seconds [CSV Export](#)

Q 6: SELECT ename, job, comm FROM emp;

The screenshot shows the SQL Developer interface with the following details:

- SQL Commands:** The query `SELECT ename, job, comm FROM emp;` is entered in the main text area.
- Buttons:** 'Autocommit' is checked, 'Display' is set to 10, and 'Run' is highlighted.
- Results:** A table with 10 rows is displayed below the query.

ENAME	JOB	COMM
SMITH	CLERK	-
ALLEN	SALESMAN	300
WARD	SALESMAN	500
JONES	MANAGER	-
MARTIN	SALESMAN	1400
BLAKE	MANAGER	-
CLARK	MANAGER	-
SCOTT	ANALYST	-
KING	PRESIDENT	-
TURNER	SALESMAN	0

More than 10 rows available. Increase rows selector to view more rows.
10 rows returned in 0.00 seconds [CSV Export](#)

Q7: select ename, 12*sal+comm from emp WHERE ename='KING';

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the query: `select ename, 12*sal+comm from emp WHERE ename='KING';`. The query has been executed successfully, returning one row. The results are displayed in a table with columns `ENAME` and `12*SAL+COMM`. The row for `KING` shows a value of `-` in the second column. The interface also shows the user `SCOTT`, the database `ORACLE Database Express Edition`, and the application version `Application Express 2.1.0.0.39`.

ENAME	12*SAL+COMM
KING	-

1 rows returned in 0.00 seconds

Q8: SELECT ename AS Name, sal salary FROM emp;

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the query: `SELECT ename AS Name, sal salary FROM emp;`. The query has been executed successfully, returning 10 rows. The results are displayed in a table with columns `NAME` and `SALARY`. The rows are: `SMITH` (800), `ALLEN` (1600), `WARD` (1250), `JONES` (2975), `MARTIN` (1250), `BLAKE` (2850), `CLARK` (2450), `SCOTT` (3000), `KING` (5000), and `TURNER` (1500). The interface also shows the user `SCOTT`, the database `ORACLE Database Express Edition`, and the application version `Application Express 2.1.0.0.39`.

NAME	SALARY
SMITH	800
ALLEN	1600
WARD	1250
JONES	2975
MARTIN	1250
BLAKE	2850
CLARK	2450
SCOTT	3000
KING	5000
TURNER	1500

10 rows returned in 0.00 seconds

Q 9: SELECT ename "Name", sal*12 "Annual Salary" FROM emp;

The screenshot shows the Oracle SQL Developer interface. The SQL Command window contains the query: `SELECT ename "Name", sal*12 "Annual Salary" FROM emp;`. The Results window displays the following data:

Name	Annual Salary
SMITH	9600
ALLEN	19200
WARD	15000
JONES	35700
MARTIN	15000
BLAKE	34200
CLARK	29400
SCOTT	36000
KING	60000
TURNER	18000

More than 10 rows available. Increase rows selector to view more rows.
10 rows returned in 0.00 seconds [CSV Export](#)

Q 10: SELECT ename ||job AS "Employees" FROM emp;

The screenshot shows the Oracle SQL Developer interface. The SQL Command window contains the query: `SELECT ename ||job AS "Employees" FROM emp;`. The Results window displays the following data:

Employees
SMITHCLERK
ALLENSALESMAN
WARDSALESMAN
JONESMANAGER
MARTINSALESMAN
BLAKEMANAGER
CLARKMANAGER
SCOTTANALYST
KINGPRESIDENT
TURNERSALESMAN

More than 10 rows available. Increase rows selector to view more rows.
10 rows returned in 0.00 seconds [CSV Export](#)

Q 11: SELECT ename || ' ' || ' is a ' || ' ' || job AS "Employee Details" FROM emp;

The screenshot shows the Oracle SQL Developer interface. The SQL Command window contains the query: `SELECT ename || ' ' || ' is a ' || ' ' || job AS "Employee Details" FROM emp;`. The Results window displays the output of this query, which is a list of employee names followed by their job titles, formatted as "Employee Details".

Employee Details
SMITH is a CLERK
ALLEN is a SALESMAN
WARD is a SALESMAN
JONES is a MANAGER
MARTIN is a SALESMAN
BLAKE is a MANAGER
CLARK is a MANAGER
SCOTT is a ANALYST
KING is a PRESIDENT
TURNER is a SALESMAN

10 rows returned in 0.00 seconds [CSV Export](#)

Q 12: SELECT deptno FROM emp;

The screenshot shows the Oracle SQL Developer interface. The SQL Command window contains the query: `SELECT deptno FROM emp;`. The Results window displays the output of this query, which is a list of department numbers (DEPTNO).

DEPTNO
20
30
30
20
30
30
10
20
10
30

10 rows returned in 0.00 seconds [CSV Export](#)

Q 13: SELECT DISTINCT deptno FROM emp;

The screenshot shows the Oracle Database Express Edition interface. The SQL command entered is `SELECT DISTINCT deptno FROM emp;`. The results are displayed in a table with the following data:

DEPTNO
30
20
10

3 rows returned in 0.01 seconds. The interface also shows the 'Autocommit' checkbox checked and the 'Display' dropdown set to 10. The bottom status bar indicates the application is Express 2.1.0.00.39 and the language is en.

Q 14: DESCRIBE dept

The screenshot shows the Oracle Database Express Edition interface. The SQL command entered is `DESCRIBE dept`. The results are displayed in a table with the following data:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPT	DEPTNO	Number	-	2	0	1	-	-	-
	DNAME	Varchar2	14	-	-	-	✓	-	-
	LOC	Varchar2	13	-	-	-	✓	-	-

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The interface also shows the 'Autocommit' checkbox checked and the 'Display' dropdown set to 10. The bottom status bar indicates the application is Express 2.1.0.00.39 and the language is en.

Q 1: SELECT ename, deptno FROM emp;

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the query: `SELECT ename, deptno FROM emp;`. The query has been executed successfully, and the results are displayed in a table with two columns: **ENAME** and **DEPTNO**. The table contains 10 rows of data. Below the table, a message states: "More than 10 rows available. Increase rows selector to view more rows. 10 rows returned in 0.00 seconds". A [CSV Export](#) link is also present.

ENAME	DEPTNO
SMITH	20
ALLEN	30
WARD	30
JONES	20
MARTIN	30
BLAKE	30
CLARK	10
SCOTT	20
KING	10
TURNER	30

Q 2: SELECT job, deptno FROM emp WHERE deptno = 30;

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the query: `SELECT job, deptno FROM emp WHERE deptno = 30;`. The query has been executed successfully, and the results are displayed in a table with two columns: **JOB** and **DEPTNO**. The table contains 6 rows of data. Below the table, a message states: "6 rows returned in 0.00 seconds". A [CSV Export](#) link is also present.

JOB	DEPTNO
SALESMAN	30
SALESMAN	30
SALESMAN	30
MANAGER	30
SALESMAN	30
CLERK	30

Q3: SELECT DISTINCT e.job, d.loc FROM emp e JOIN dept d ON e.deptno = d.deptno WHERE e.deptno = 30;

The screenshot shows the Oracle Database Express Edition interface. The SQL command entered is: `SELECT DISTINCT e.job, d.loc FROM emp e JOIN dept d ON e.deptno = d.deptno WHERE e.deptno = 30;`. The results are displayed in a table with two columns: JOB and LOC. The results show three rows: SALESMAN in CHICAGO, MANAGER in CHICAGO, and CLERK in CHICAGO. The interface also shows the user is SCOTT, the session is Home > SQL > SQL Commands, and the application is Oracle Database Express Edition 2.1.0.0.39.

JOB	LOC
SALESMAN	CHICAGO
MANAGER	CHICAGO
CLERK	CHICAGO

3 rows returned in 0.00 seconds CSV Export

Q4: SELECT ename, empno FROM emp WHERE comm > 0;

The screenshot shows the Oracle Database Express Edition interface. The SQL command entered is: `SELECT ename, empno FROM emp WHERE comm > 0;`. The results are displayed in a table with two columns: ENAME and EMPNO. The results show three rows: ALLEN with empno 7499, WARD with empno 7521, and MARTIN with empno 7654. The interface also shows the user is SCOTT, the session is Home > SQL > SQL Commands, and the application is Oracle Database Express Edition 2.1.0.0.39.

ENAME	EMPNO
ALLEN	7499
WARD	7521
MARTIN	7654

3 rows returned in 0.02 seconds CSV Export

Q5: SELECT ename, deptno FROM emp WHERE ename LIKE '%A%';

The screenshot shows the Oracle Database Express Edition web interface. The browser tabs include 'Object Browser', 'SQL Commands', 'Include Dept 30 Location', and 'New Tab'. The address bar shows the URL '127.0.0.1:8080/apex/?p=4500:1003:1509351344546442:NO::'. The page title is 'ORACLE Database Express Edition'. The user is logged in as 'User: SCOTT'. The breadcrumb navigation is 'Home > SQL > SQL Commands'. The interface includes a toolbar with 'Autocommit' (checked), 'Display' (set to 15), 'Save', and 'Run' buttons. The SQL command entered is 'SELECT ename, deptno FROM emp WHERE ename LIKE '%A%';'. Below the command, the results are displayed in a table with columns 'ENAME' and 'DEPTNO'. The table contains 7 rows of data. Below the table, it states '7 rows returned in 0.00 seconds' and provides a 'CSV Export' link. The footer shows 'Language: en' and 'Application Express 2.1.0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved.' The Windows taskbar at the bottom shows the system clock as 10:26 AM on 6/11/2023, with network and storage indicators.

Oracle Database Express Edition

User: SCOTT

Home > SQL > SQL Commands

Autocommit Display 15 Save Run

SELECT ename, deptno FROM emp WHERE ename LIKE '%A%';

Results Explain Describe Saved SQL History

ENAME	DEPTNO
ALLEN	30
WARD	30
MARTIN	30
BLAKE	30
CLARK	10
ADAMS	20
JAMES	30

7 rows returned in 0.00 seconds CSV Export

Language: en Application Express 2.1.0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved.

30°C Mostly cloudy 10:26 AM 6/11/2023