

Name: Yasir Arafat

Id: 23-55352-3

Section: M

1.

The screenshot shows the Oracle Database Express Edition web interface. The user is SCOTT. The SQL command entered is `select SYSDATE as "DATE" from DUAL;`. The query has been executed successfully, returning one row with the date 23-NOV-24. The interface includes a top navigation bar with links for Home, Logout, and Help. The bottom status bar indicates the application version is 2.1.0.00.39 and the language is en-us.

Oracle Database Express Edition

User: SCOTT

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
select SYSDATE as "DATE" from DUAL;
```

Results Explain Describe Saved SQL History

DATE
23-NOV-24

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

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

2.

The screenshot shows the Oracle Database Express Edition web interface. The user is MD Saad m. The SQL command entered is `select empno,ename,sal, round(sal*1.15) AS "New Salary" from emp;`. The query has been executed successfully, returning 10 rows of employee data. The interface includes a top navigation bar with links for Home, Logout, and Help. The bottom status bar indicates the application version is 2.1.0.00.39 and the language is en-us.

Oracle Database Express Edition

User: MD Saad m

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
select empno,ename,sal, round(sal*1.15) AS "New Salary" from emp;
```

Results Explain Describe Saved SQL History

EMPNO	ENAME	SAL	New Salary
7369	SMITH	800	920
7499	ALLEN	1600	1840
7521	WARD	1250	1438
7566	JONES	2975	3421
7654	MARTIN	1250	1438
7698	BLAKE	2850	3278
7782	CLARK	2450	2818
7788	SCOTT	3000	3450
7839	KING	5000	5750
7844	TURNER	1500	1725

More than 10 rows available. Increase rows selector to view more rows.

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

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

3.

The screenshot shows the Oracle SQL Developer interface. The query editor contains the following SQL statement:

```
select empno, ename, sal, round(sal*1.15) as "New Salary", Round (sal*1.15-sal) AS "Increase" from emp;
```

The query has been executed, and the results are displayed in a table with 5 columns: EMPNO, ENAME, SAL, New Salary, and Increase. The table shows 10 rows of data for employees SMITH through TURNER.

EMPNO	ENAME	SAL	New Salary	Increase
7369	SMITH	800	920	120
7499	ALLEN	1600	1840	240
7521	WARD	1250	1438	188
7566	JONES	2975	3421	446
7654	MARTIN	1250	1438	188
7698	BLAKE	2850	3278	428
7782	CLARK	2450	2818	368
7788	SCOTT	3000	3450	450
7839	KING	5000	5750	750
7844	TURNER	1500	1725	225

10 rows returned in 0.00 seconds

4.

The screenshot shows the Oracle SQL Developer interface. The query editor contains the following SQL statement:

```
SELECT ENAME, HIREDATE, TO_CHAR (NEXT_DAY(ADD_MONTHS(HIREDATE, 6), 'SUNDAY'), 'FMDAY "the" FMDDth "OF" FMMONTH YYYY') AS "REVIEW" FROM EMP;
```

The query has been executed, and the results are displayed in a table with 3 columns: ENAME, HIREDATE, and REVIEW. The table shows 10 rows of data for employees SMITH through TURNER, with the REVIEW column indicating the date 6 months later on the next Sunday.

ENAME	HIREDATE	REVIEW
SMITH	17-DEC-80	SUNDAY the 21ST OF JUNE 1981
ALLEN	20-FEB-81	SUNDAY the 23RD OF AUGUST 1981
WARD	22-FEB-81	SUNDAY the 23RD OF AUGUST 1981
JONES	02-APR-81	SUNDAY the 04TH OF OCTOBER 1981
MARTIN	28-SEP-81	SUNDAY the 04TH OF APRIL 1982
BLAKE	01-MAY-81	SUNDAY the 08TH OF NOVEMBER 1981
CLARK	09-JUN-81	SUNDAY the 13TH OF DECEMBER 1981
SCOTT	19-APR-87	SUNDAY the 25TH OF OCTOBER 1987
KING	17-NOV-81	SUNDAY the 23RD OF MAY 1982
TURNER	08-SEP-81	SUNDAY the 14TH OF MARCH 1982

10 rows returned in 0.00 seconds

5.

The screenshot shows the Oracle SQL Developer interface. The top toolbar includes buttons for Autocommit, Display, and a dropdown set to 10. The SQL editor contains the following query:

```
SELECT ENAME, CEIL(MONTHS_BETWEEN(SYSDATE, HIREDATE)) AS "MONTHS_WORKED" FROM EMP ORDER BY "MONTHS_WORKED";
```

The Results tab is active, displaying a table with two columns: ENAME and MONTHS_WORKED. The data is as follows:

ENAME	MONTHS_WORKED
ADAMS	450
SCOTT	452
MILLER	514
FORD	516
JAMES	516
KING	517
MARTIN	518
TURNER	519
CLARK	522
BLAKE	523

Below the table, it states "More than 10 rows available. Increase rows selector to view more rows." and "10 rows returned in 0.00 seconds". A "CSV Export" link is also present. The bottom status bar shows "Language: en-us" and "Application Express 2.1.0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved."

6.

The screenshot shows the Oracle Database Express Edition interface. The top toolbar includes buttons for Autocommit, Display, and a dropdown set to 10. The SQL editor contains the following query:

```
SELECT ename || ' earns ' || sal || ' monthly but wants ' || (sal*3) As "Dream SalarieS" From emp;
```

The Results tab is active, displaying a table with one column: Dream SalarieS. The data is as follows:

Dream SalarieS
SMITH earns 800 monthly but wants 2400
ALLEN earns 1600 monthly but wants 4800
WARD earns 1250 monthly but wants 3750
JONES earns 2975 monthly but wants 8925
MARTIN earns 1250 monthly but wants 3750
BLAKE earns 2850 monthly but wants 8550
CLARK earns 2450 monthly but wants 7350
SCOTT earns 3000 monthly but wants 9000
KING earns 5000 monthly but wants 15000
TURNER earns 1500 monthly but wants 4500

Below the table, it states "More than 10 rows available. Increase rows selector to view more rows." The bottom status bar shows "24°C Mostly sunny" and "4:26 PM 11/23/2024".

7.

ORACLE Database Express Edition

User: SCOTT

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
SELECT INITCAP(ENAME) AS "Employee Name", LENGTH(ENAME) AS "Name Length" FROM EMP WHERE ENAME LIKE 'J%' OR ENAME LIKE 'A%' OR ENAME LIKE 'M%';
```

Results Explain Describe Saved SQL History

Employee Name	Name Length
Allen	5
Jones	5
Martin	6
Adams	5
James	5
Miller	6

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

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

8.

ORACLE Database Express Edition

User: SCOTT

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
SELECT ENAME, NVL(TO_CHAR(COMM), 'No commission') AS "COMM" FROM EMP;
```

Results Explain Describe Saved SQL History

ENAME	COMM
SMITH	No commission
ALLEN	300
WARD	500
JONES	No commission
MARTIN	1400
BLAKE	No commission
CLARK	No commission
SCOTT	No commission
KING	No commission
TURNER	0

More than 10 rows available. Increase rows selector to view more rows.

9.

The screenshot shows the Oracle SQL Developer interface. The query editor contains the following SQL statement:

```
SELECT ENAME || ' ' || RPAD('*', SAL / 100, '*') AS "EMPLOYEE AND THEIR SALARIES" FROM EMP ORDER BY SAL DESC;
```

The query has been executed, and the results are displayed in a table titled "EMPLOYEE AND THEIR SALARIES". The table shows the employee names followed by a series of asterisks representing their salary relative to the highest salary (KING's salary of 50,000). The results are ordered by salary in descending order.

EMPLOYEE AND THEIR SALARIES
KING *****
FORD *****
SCOTT *****
JONES *****
BLAKE *****
CLARK *****
ALLEN *****
TURNER *****
MILLER *****
WARD *****

More than 10 rows available. Increase rows selector to view more rows.
10 rows returned in 0.01 seconds [CSV Export](#)

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

10.

The screenshot shows the Oracle SQL Developer interface. The query editor contains the following SQL statement:

```
SELECT ename, hiredate from emp ORDER BY hiredate DESC;
```

The query has been executed, and the results are displayed in a table titled "ENAME HIREDATE". The table shows the employee names and their hire dates, ordered by hire date in descending order.

ENAME	HIREDATE
ADAMS	23-MAY-87
SCOTT	19-APR-87
MILLER	23-JAN-82
FORD	03-DEC-81
JAMES	03-DEC-81
KING	17-NOV-81
MARTIN	28-SEP-81
TURNER	08-SEP-81
CLARK	09-JUN-81
BLAKE	01-MAY-81

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

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