

Name:- Gautam Chandrakant Mandaliya

Roll No:- 27

Class:-FYCS

Subject:- Data Base Management system

PRACTICAL 3:-

A) Using emp table, perform the following queries:

1. Display the details of all employees.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `select * from Gautam_EMP`. Below the query editor, the results are displayed in a table with 14 rows and 10 columns: EMP_ID, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPT_ID. The data includes employees like KING (PRESIDENT), BLAKE (MANAGER), JONES (MANAGER), JAMES (CLERK), TURNER (SALESMAN), SMITH (CLERK), MILLER (CLERK), CLARK (MANAGER), SCOTT (ANALYST), FORD (ANALYST), WARD (SALESMAN), MARTIN (SALESMAN), ADAMS (CLERK), and ALLEN (SALESMAN).

EMP_ID	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_ID
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30
7566	JONES	MANAGER	7839	02-APR-81	2975	-	30
7900	JAMES	CLERK	7698	03-DEC-81	950	-	30
7644	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7369	SMITH	CLERK	7902	17-DEC-80	800	-	20
7334	MILLER	CLERK	7782	23-JAN-82	1300	-	10
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20
7521	WARD	SALESMAN	7698	22-FEB-81	1250	0	30
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30

Download CSV
14 rows selected.

2. Display the name and job for all employees.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `select ENAME, JOB from Gautam_EMP`. Below the query editor, the results are displayed in a table with 2 columns: ENAME and JOB. The data includes employees like KING (PRESIDENT), BLAKE (MANAGER), JONES (MANAGER), JAMES (CLERK), TURNER (SALESMAN), SMITH (CLERK), MILLER (CLERK), CLARK (MANAGER), SCOTT (ANALYST), FORD (ANALYST), WARD (SALESMAN), MARTIN (SALESMAN), ADAMS (CLERK), and ALLEN (SALESMAN).

ENAME	JOB
KING	PRESIDENT
BLAKE	MANAGER
JONES	MANAGER
JAMES	CLERK
TURNER	SALESMAN
SMITH	CLERK
MILLER	CLERK
CLARK	MANAGER
SCOTT	ANALYST
FORD	ANALYST
WARD	SALESMAN
MARTIN	SALESMAN
ADAMS	CLERK
ALLEN	SALESMAN

Download CSV
14 rows selected.

3. Display name and salary for all employees.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select ENAME, SAL from Gaetan_EMP;
```

The results are displayed in a table with 14 rows selected:

ENAME	SAL
KING	5000
BLAKE	2850
JONES	2975
JAMES	950
TURNER	1500
SIMPSON	800
MILLER	1300
CLARK	2450
SCOTT	3000
FORD	3000
WARD	1250
MARTIN	1250
ADAMS	1100
ALLEN	1600

Download CSV
14 rows selected.

4. Display the details of all employees who are earning salary greater than 2000.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Gaetan_EMP  
2 where SAL > 2000;
```

The results are displayed in a table with 6 rows selected:

EMP_NO	ENAME	JOB	HR	HIREDATE	SAL	COMM	DEPT_NO
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20

Download CSV
6 rows selected.

5. Display the details of all employees who are working as Manager.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Emp;
2 where JOB = 'MANAGER';
```

The results table displays the following data:

EMP_ID	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_ID
7698	BLAKE	MANAGER	7639	01-MAY-81	2850	-	30
7566	JONES	MANAGER	7639	02-APR-81	2975	-	20
7782	CLARK	MANAGER	7639	09-JUN-81	2450	-	10

Download CSV
3 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

6. Display the names of all employees who are working in department number 10.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Emp;
2 where DEPT_ID = 10;
```

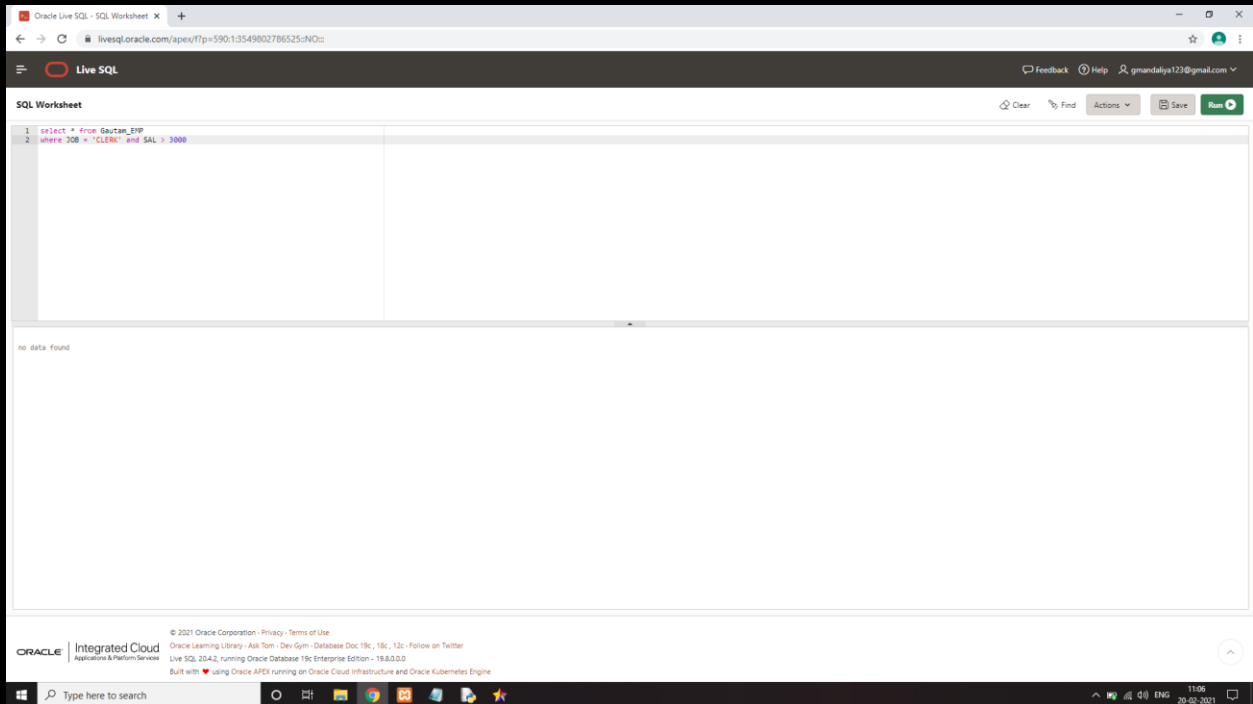
The results table displays the following data:

EMP_ID	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_ID
7639	KING	PRESIDENT	-	17-NOV-81	5000	-	10
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10
7782	CLARK	MANAGER	7639	09-JUN-81	2450	-	10

Download CSV
3 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

7. Display the names of all employees working as clerk and drawing a salary more than 3000.



Oracle Live SQL - SQL Worksheet

livesql.oracle.com/apex/f?p=590:13549802786525::NO::

Live SQL

Feedback Help gmandalya123@gmail.com

SQL Worksheet

Clear Find Actions Save Run

```
1 select * from Emp_Enp
2 where JOB = 'CLERK' and SAL > 3000
```

no data found

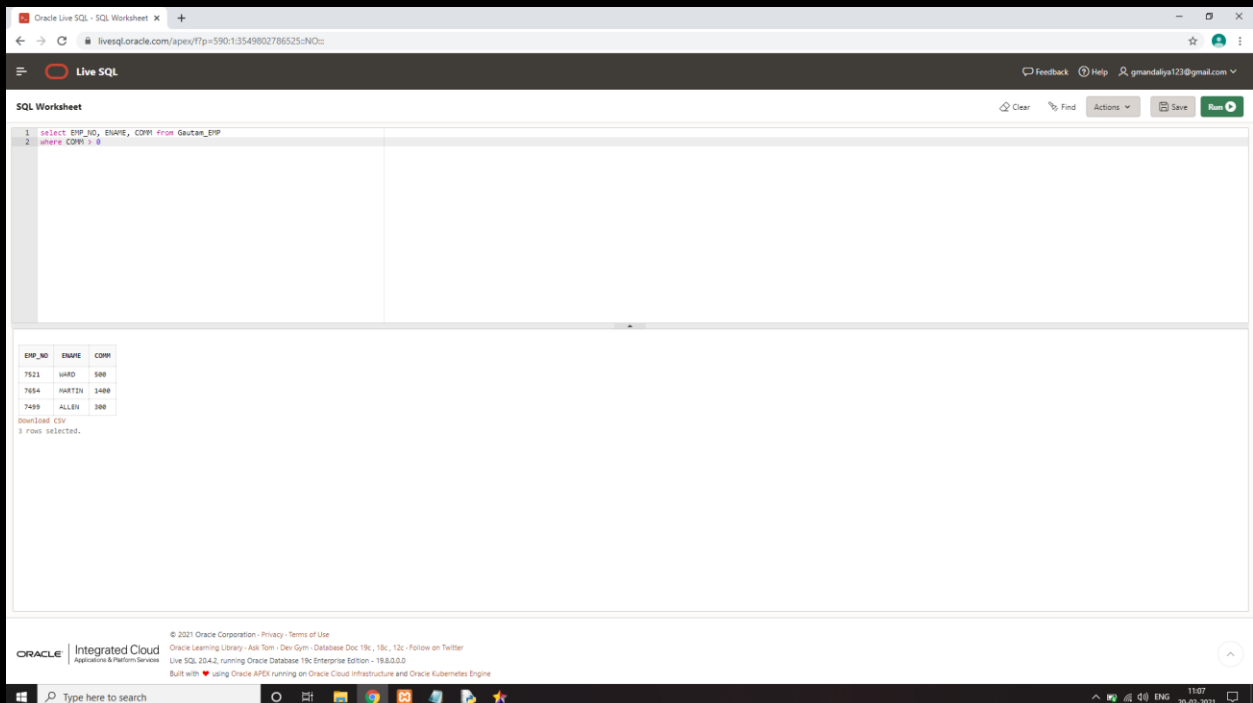
© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 20A.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0
Built with using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

ORACLE Integrated Cloud Applications & Platform Services

Type here to search

11:08 20-02-2021

8. Display employee number and names for employees who earn commission.



Oracle Live SQL - SQL Worksheet

livesql.oracle.com/apex/f?p=590:13549802786525::NO::

Live SQL

Feedback Help gmandalya123@gmail.com

SQL Worksheet

Clear Find Actions Save Run

```
1 select EMP_ID, ENAME, COMM from Emp_Enp
2 where COMM > 0
```

EMP_ID	ENAME	COMM
7511	WARD	500
7654	MARTIN	1400
7499	ALLEN	300

3 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 20A.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0
Built with using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

ORACLE Integrated Cloud Applications & Platform Services

Type here to search

11:07 20-02-2021

9. Display names of employees who do not earn any commission.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select EMP_ID, ENAME, COMM from Gautam_EMP
2 where COMM IS NULL;
```

The results table displays 18 rows of employee data where the commission is null.

EMP_ID	ENAME	COMM
7819	KING	-
7698	BLAKE	-
7546	JONES	-
7900	JAMES	-
7369	SMITH	-
7934	MILLER	-
7782	CLARK	-
7788	SCOTT	-
7902	FORD	-
7876	ADAMS	-
... (8 more rows) ...		

Download CSV
18 rows selected.

10. Display the names of employees who are working as clerk, salesman or analyst and drawing a salary more than 2000.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select ENAME from Gautam_EMP
2 where JOB IN('CLERK', 'SALESMAN', 'ANALYST') and SAL > 2000;
```

The results table displays 3 rows of employee data.

ENAME
SCOTT
FORD

Download CSV
3 rows selected.

11. Display the names of employees who are working as clerk, salesman or analyst.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select ENAME from Emps_EMP
2 where JOB in ('CLERK', 'SALESMAN', 'ANALYST')
```

The results pane displays a list of employee names: JAMES, TURNER, SMITH, MILLER, SCOTT, FORD, WARD, HARTIN, ADAMS, and ALLEN. Below the list, it indicates "Download CSV" and "10 rows selected".

At the bottom, the Oracle logo and "Integrated Cloud" branding are visible, along with copyright information for 2021 Oracle Corporation.

12. Display the names of employees working in department number 10 or 20 or 30.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select ENAME from Emps_EMP
2 where DEPT_ID in (10, 20, 30)
```

The results pane displays a list of employee names: KING, BLAKE, JONES, JAMES, TURNER, SMITH, MILLER, CLARK, SCOTT, FORD, WARD, HARTIN, ADAMS, and ALLEN. Below the list, it indicates "Download CSV" and "14 rows selected".

At the bottom, the Oracle logo and "Integrated Cloud" branding are visible, along with copyright information for 2021 Oracle Corporation.

13. Display the details of employees whose salary lies in the range of 1000 and 2000.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Gautam_EMP
2 where SAL between 1000 and 2000
```

The query results are displayed in a table with 6 rows selected:

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7644	TURNER	SALESMAN	7690	08-SEP-81	1500	0	30
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10
7521	WARD	SALESMAN	7690	22-FEB-81	1250	500	30
7654	MARTIN	SALESMAN	7690	28-SEP-81	1250	1400	30
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20

Download CSV
6 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

14. List the employees in the ascending order of their salaries.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Gautam_EMP
2 order by SAL asc
```

The query results are displayed in a table with 14 rows selected, sorted by salary in ascending order:

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7369	SHEITH	CLERK	7982	17-DEC-80	800	-	20
7980	JAMES	CLERK	7690	03-DEC-81	950	-	30
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20
7654	MARTIN	SALESMAN	7690	28-SEP-81	1250	1400	30
7521	WARD	SALESMAN	7690	22-FEB-81	1250	500	30
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10
7644	TURNER	SALESMAN	7690	08-SEP-81	1500	0	30
7499	ALLEN	SALESMAN	7690	20-FEB-81	1600	300	30
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10
7690	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20
7982	FORD	ANALYST	7566	03-DEC-81	3000	-	20
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10

Download CSV
14 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

15. List the Empno, Ename, Sal of all emp working for Mgr 7369.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select EMP_ID, ENAME, SAL from Gautam_EMP
2 where MGR = 7369;
```

The result area below the query is empty, displaying "no data found". The interface includes a top navigation bar with "Live SQL" and a user profile "gmandaliya123@gmail.com". The footer contains Oracle branding and version information: "© 2021 Oracle Corporation - Privacy - Terms of Use", "Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter", "Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0", and "Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine".

16. List the employees who are either 'CLERK' or 'ANALYST' in the Desc order.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Gautam_EMP
2 where JOB = 'CLERK' or JOB = 'ANALYST'
3 order by JOB desc;
```

The result area displays a table with 6 rows of employee data:

EMP_ID	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7369	JAMES	CLERK	7698	03-DEC-81	950	-	30
7369	SHEITH	CLERK	7692	17-DEC-80	800	-	20
7676	ADAMS	CLERK	7788	23-MAY-87	1100	-	20
7934	HOLLER	CLERK	7782	23-JAN-82	1300	-	10
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20

Below the table, it says "Download CSV" and "6 rows selected". The interface includes a top navigation bar with "Live SQL" and a user profile "gmandaliya123@gmail.com". The footer contains Oracle branding and version information: "© 2021 Oracle Corporation - Privacy - Terms of Use", "Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter", "Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0", and "Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine".

17. List the employees who are working in Deptno 10 or 20.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Emp;
2 where DEPTNO in (10, 20);
```

The results are displayed in a table with 8 rows selected:

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20
7569	SMITH	CLERK	7566	17-DEC-80	800	-	20
7534	MILLER	CLERK	7782	23-JAN-82	1300	-	10
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20
7802	FORD	ANALYST	7566	03-DEC-81	3000	-	20
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20

Download CSV
8 rows selected.

Oracle Live SQL interface footer information:

- © 2021 Oracle Corporation - Privacy - Terms of Use
- Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
- Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 18.0.0.0
- Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

18. List the employees whose name have a character set 'll' together.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Emp;
2 where ENAME like '%ll%';
```

The results are displayed in a table with 2 rows selected:

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30

Download CSV
2 rows selected.

Oracle Live SQL interface footer information:

- © 2021 Oracle Corporation - Privacy - Terms of Use
- Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
- Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 18.0.0.0
- Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

19. List the employees in ascending order of their names.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Gautam_EMP
2 order by ENAME ASC;
```

The results are displayed in a table with 14 rows and 8 columns: EMP_NO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPT_NO. The results are sorted by ENAME in ascending order.

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20
7900	JAMES	CLERK	7698	03-DEC-81	950	-	30
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10
7654	MARTIN	SALESMAN	7698	26-SEP-81	1250	1400	30
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20
7369	SIMPSON	CLERK	7902	17-DEC-80	800	-	20
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30

download CSV
14 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

20. List the employees in descending order of their names.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Gautam_EMP
2 order by ENAME DESC;
```

The results are displayed in a table with 14 rows and 8 columns: EMP_NO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPT_NO. The results are sorted by ENAME in descending order.

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7369	SIMPSON	CLERK	7902	17-DEC-80	800	-	20
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10
7654	MARTIN	SALESMAN	7698	26-SEP-81	1250	1400	30
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20
7900	JAMES	CLERK	7698	03-DEC-81	950	-	30
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20

download CSV
14 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

21. List the employees who do not belong to Deptno 20.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Gautam_EMP
2 where DEPT_NO not in 20
```

The query results are displayed in a table with 9 rows selected:

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30
7900	JAMES	CLERK	7698	03-DEC-81	950	-	30
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7654	MARTIN	SALESMAN	7698	28-SEP-81	1200	1400	30
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30

Download CSV
9 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

22. List all the employees except PRESIDENT and MANAGER.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Gautam_EMP
2 where JOB not in ('PRESIDENT','MANAGER')
```

The query results are displayed in a table with 19 rows selected:

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7900	JAMES	CLERK	7698	03-DEC-81	950	-	30
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7369	SMITH	CLERK	7902	17-DEC-80	800	-	20
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7654	MARTIN	SALESMAN	7698	28-SEP-81	1200	1400	30
7876	ADAMS	CLERK	7780	23-MAY-87	1100	-	20
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30

Download CSV
19 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

23. List the employees whose name starts with A.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from emp
2 where ENAME like 'A%'
```

The results table displays the following data:

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7576	ADAMS	CLERK	7788	23-MAY-87	1100	-	20
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30

Download CSV
2 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

24. List all the Clerks of Deptno 20.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from emp
2 where JOB = 'CLERK' and DEPT_NO = 20
```

The results table displays the following data:

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7369	SMITH	CLERK	7902	17-DEC-80	800	-	20
7576	ADAMS	CLERK	7788	23-MAY-87	1100	-	20

Download CSV
2 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

25. List the employees whose names ends with S.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Emp
2 where ENAME like '%S'
```

The results table displays the following data:

EMP_ID	ENAME	JOB	MANAGER	HIREDATE	SAL	COMM	DEPT_ID
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20
7900	SMITH	CLERK	7839	09-DEC-81	950	-	30
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20

Download CSV
3 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 18.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

26. List the employees who has name of exactly 4 characters.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from Emp
2 where ENAME like '____'
```

The results table displays the following data:

EMP_ID	ENAME	JOB	MANAGER	HIREDATE	SAL	COMM	DEPT_ID
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20
7521	WARD	SALESMAN	7839	22-FEB-81	1250	500	30

Download CSV
3 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 18.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

27. List the names of the employees who are working as MANAGER in department 10.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from emp
2 where job = 'MANAGER' and dept_no = 10
```

The results are displayed in a table with the following columns: EMP_ID, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPT_NO. The results show one employee: 7782, CLARK, MANAGER, 7839, 09-JUN-81, 2450, -, 10.

EMP_ID	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPT_NO
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10

Download CSV

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

28. List the total salary of employees working as ANALYST.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select sum(sal) from emp
2 where job = 'ANALYST'
```

The results are displayed in a table with the following columns: SUM(SAL). The results show one row: 6000.

SUM(SAL)
6000

Download CSV

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

29. List the minimum, maximum and average salary of the employees.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select MIN(SAL), MAX(SAL), AVE(SAL) from Gautam_EMP
```

The results are displayed in a table:

MIN(SAL)	MAX(SAL)	AVE(SAL)
800	9000	2877.214285714285714285714285714286

Below the table, there is a link to "Download CSV". The footer of the page includes Oracle and Integrated Cloud logos, copyright information for 2021, and a Windows taskbar at the bottom.

30. List the total number of employees working in department 10.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select DEPT_NO, count(*) from Gautam_EMP
2 group by DEPT_NO
```

The results are displayed in a table:

DEPT_NO	COUNT(*)
10	6
10	3
20	5

Below the table, there is a link to "Download CSV" and a message "3 rows selected". The footer of the page includes Oracle and Integrated Cloud logos, copyright information for 2021, and a Windows taskbar at the bottom.

B) Answer the following queries:

1. Display the total salary of employees department wise.

The screenshot shows the Oracle Live SQL interface. The query entered is:

```
1 select DEPT_ID, sum(SAL) from gautan_EMP
2 group by DEPT_ID
```

The result is displayed in a table:

DEPT_ID	SUM(SAL)
10	9400
10	8750
20	18875

Download CSV
3 rows selected.

Oracle Live SQL - SQL Worksheet

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 19.8.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

2. Display the total salary of employees job wise in ascending order of job.

The screenshot shows the Oracle Live SQL interface. The query entered is:

```
1 select JOB, sum(SAL) from gautan_EMP
2 group by JOB
3 order by JOB asc
```

The result is displayed in a table:

JOB	SUM(SAL)
ANALYST	6000
CLERK	4150
MANAGER	8275
PRESIDENT	9000
SALESMAN	5600

Download CSV
5 rows selected.

Oracle Live SQL - SQL Worksheet

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 19.8.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

3. Display the total number of employees with specific job.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select JOB, count(*) from GAUTAN_EMP
2 group by JOB
```

The results are displayed in a table:

JOB	COUNT(*)
CLERK	4
SALESMAN	4
ANALYST	2
MANAGER	3
PRESIDENT	1

Download CSV
5 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

4. Display the total number of employees working in each department.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select DEPT_NO, count(*) from GAUTAN_EMP
2 group by DEPT_NO
```

The results are displayed in a table:

DEPT_NO	COUNT(*)
10	6
20	3
30	5

Download CSV
3 rows selected.

© 2021 Oracle Corporation - Privacy - Terms of Use
Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter
Live SQL 204.2, running Oracle Database 18c Enterprise Edition - 19.0.0.0
Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

5. Display the total salary of employees specific to job and department in ascending order of job.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select JOB, DEPT_NO, sum(SAL) from Gautam_EMP
2 group by JOB, DEPT_NO
3 order by JOB
```

The results are displayed in a table with 9 rows selected:

JOB	DEPT_NO	SUM(SAL)
ANALYST	20	6000
CLERK	10	1300
CLERK	20	1300
CLERK	30	950
MANAGER	10	2450
MANAGER	20	2975
MANAGER	30	2850
PRESIDENT	10	5000
SALESMAN	30	5000

Download CSV
9 rows selected.

6. Display the total salary of the employees specific to job when employee count is greater than 1.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select sum(SAL), count(JOB) from Gautam_EMP
2 group by JOB
3 having count(JOB) > 1
```

The results are displayed in a table with 4 rows selected:

SUM(SAL)	COUNT(JOB)
4150	4
5000	4
6000	2
8275	3

Download CSV
4 rows selected.

7. Display unique jobs of employees.

The screenshot shows the Oracle Live SQL web interface. The browser address bar displays the URL: `livesql.oracle.com/apex/f?p=590:13549802786525::NO::`. The page title is "Live SQL". The "SQL Worksheet" section contains a single query: `select distinct JOB from GAUDEM_EMP`. Below the query editor, a table displays the results of the query. The table has one column labeled "JOB" and five rows of data: "CLERK", "SALESMAN", "ANALYST", "MANAGER", and "PRESIDENT". Below the table, a status message reads: "Download CSV" and "5 rows selected." The footer of the page includes the Oracle logo, the text "Integrated Cloud Applications & Platform Services", and copyright information: "© 2021 Oracle Corporation - Privacy - Terms of Use". It also mentions "Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter" and "Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0". A note at the bottom states: "Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine". The Windows taskbar at the bottom shows the search bar and several application icons.

JOB
CLERK
SALESMAN
ANALYST
MANAGER
PRESIDENT

Download CSV
5 rows selected.

-----X-----