

CASE STUDY (NUMBER -02)---SOLUTION SUBMISSION

ON AZURE ANALYTICS

BY

NAME : SAI KIRAN ANCHE

BATCH:DXC-262-ANALYTICS-B12-AZURE

TRAINING UNDER : MANIPAL PRO LEARN

DATE OF SUBMISSION : 31-05-2022

EMPLOYEE DOMAIN - AZURE ANALYTICS

ROLL NO: DXC262AB12021

COMPANY – DXC TECHNOLOGY

TRAINER NAME – MR. AJAY KUMAR

NO OF TEST CASES :10

PROBLEM STATEMENT:

Assignment 31st May 2022:

Global-tech incorporation is leading Biotech & Medical distribution company, has decided to migrate their data warehouse (around volume of 300TB uncompressed) to Cloud. Also, this organization has decided to migrate all downstream applications to Azure. Since its COVID – pandemic situation, hence its critical time & ETA is very less, the whole migration had to happen seamlessly, Using Azure cloud Service – we have to develop solutions for Global-tech. and migration activity to be performed.

PART - 1:

Table:

emp_id | emp_name | job_name | manager_id | hire_date | salary | commission | dep_id

-----+-----+-----+-----+-----+-----+-----+-----
68319 | KAYLING | PRESIDENT | | 1991-11-18 | 6000.00 | | 1001
66928 | BLAZE | MANAGER | 68319 | 1991-05-01 | 2750.00 | | 3001
67832 | CLARE | MANAGER | 68319 | 1991-06-09 | 2550.00 | | 1001
65646 | JONAS | MANAGER | 68319 | 1991-04-02 | 2957.00 | | 2001
67858 | SCARLET | ANALYST | 65646 | 1997-04-19 | 3100.00 | | 2001
69062 | FRANK | ANALYST | 65646 | 1991-12-03 | 3100.00 | | 2001
63679 | SANDRINE | CLERK | 69062 | 1990-12-18 | 900.00 | | 2001
64989 | ADELYN | SALESMAN | 66928 | 1991-02-20 | 1700.00 | 400.00 | 3001
65271 | WADE | SALESMAN | 66928 | 1991-02-22 | 1350.00 | 600.00 | 3001
66564 | MADDEN | SALESMAN | 66928 | 1991-09-28 | 1350.00 | 1500.00 | 3001
68454 | TUCKER | SALESMAN | 66928 | 1991-09-08 | 1600.00 | 0.00 | 3001
68736 | ADNRES | CLERK | 67858 | 1997-05-23 | 1200.00 | | 2001
69000 | JULIUS | CLERK | 66928 | 1991-12-03 | 1050.00 | | 3001
69324 | MARKER | CLERK | 67832 | 1992-01-23 | 1400.00 | | 1001

THE CASES :

case 9. From the following table, write a SQL query to find the employee ID, salary, and commission of all the employees

case 10. From the following table, write a SQL query to find the unique department with jobs. Return department ID, Job name.

case 11. From the following table, write a SQL query to find those employees who do not belong to the department 2001.

Return complete information about the employees.

case 12. From the following table, write a SQL query to find those employees who joined before 1991.

Return complete information about the employees

case 13. From the following table, write a SQL query to compute the average salary of those employees who work as 'ANALYST'.

Return average salary.

case 14. From the following table, write a SQL query to find the details of the employee 'BLAZE'

case 15. From the following table, write a SQL query to find those employees whose commission is more than their salary.

Return complete information about the employees

case 16. From the following table, write a SQL query to find those employees whose salary exceeds 3000 after giving 25% increment.

Return complete information about the employees

case 17. From the following table, write a SQL query to find the names of the employees whose length is six.

Return employee name

case 18. From the following table, write a SQL query to find those employees who joined in the month January.

Return complete information about the employees

case 19. From the following table, write a SQL query to find the name of employees and their manager separated by the string 'works for'.

case 20. From the following table, write a SQL query to find those employees whose designation is 'CLERK'.

Return complete information about the employees.

Please create a word / pdf document, and send it to : avyuktitraining1@gmail.com

INTRODUCTION

This is a case study given by manipal pro learn team on the basis of the training done in the forenoon session of this morning. The main objective behind this case study is to work on industry-based problems and achieve solutions for the solutions.

The problem statement have ten cases and these are of easy to moderately difficult level. All the cases have been focused on what the trainer taught in the earlier sessions. Basic operations in the data using SQL are performed that include :

- CREATE
- INSERT
- UPDATE
- SELECT

Along with some more interesting cases.

This case study gives me immense confidence in mastering the domain that has been assigned to me.

The queries have been highlighted with green color and later the snap shot of the output is attached.

SOLUTIONS :

CREATING TABLE :

```
CREATE TABLE globetechtb2312 (emp_id INT , emp_name VARCHAR(220) ,job_name VARCHAR(220) , manager_id INT, hire_date DATE , salary FLOAT , commission FLOAT , dep_id INT).
```

INSERTING :

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary , commission , dep_id)
```

```
values (68319 , 'KAYLING' , 'PRESIDENT' , NULL , DATE'1991-11-18', 6000.00 , NULL , 1001);
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary , commission , dep_id)
```

```
values (66928 , 'BLAZE' , 'MANAGER' , 68319 , DATE'1991-05-01' , 2750.00 ,NULL , 3001);
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary , commission , dep_id)
```

```
values (67832 , 'CLARE' , 'MANAGER ' , 68319 ,DATE'1991-06-09' , 2550.00 ,NULL, 1001);
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary , commission , dep_id)
```

```
values (65646, 'JONAS' , 'MANAGER' , 68319 , DATE'1991-04-02' , 2957.00 ,NULL ,2001 );
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary , commission , dep_id)
```

```
values (67858, ' SCARLET' , 'ANALYST' , 65646 , DATE'1997-04-19' , 3100.00 ,NULL , 2001);
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary , commission , dep_id)
```

```
values (69062 , 'FRANK' , 'ANALYST' , 65646 , DATE'1991-12-03' , 3100.00 ,NULL ,2001);
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary , commission , dep_id)
```

```
values (63679 , 'SANDRINE' , 'CLERK' , 69062 , DATE'1990-12-18' , 900.00 ,NULL, 2001 );
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary , commission , dep_id)
```

```
values (64989 , 'ADELYN' , 'SALESMAN' , 66928 , DATE'1991-02-20' , 1700.00 , 400.00 , 3001);
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary , commission , dep_id)
```

```
values (65271 , 'WADE' , 'SALESMAN' , 66928 , DATE'1991-02-22' , 1350.00 , 600.00 , 3001);
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary , commission , dep_id)
```

```
values (66564 , 'MADDEN' , 'SALESMAN', 66928 , DATE'1991-09-28' , 1350.00 , 1500.00 , 3001);
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary ,
commission , dep_id)
```

```
values (68454 , 'TUCKER' , 'SALESMAN' , 66928 , DATE'1991-09-08' , 1600.00 , 0.00 , 3001);
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary ,
commission , dep_id)
```

```
values (68736 , 'ADNRES' , 'CLERK' , 67858, DATE'1997-05-23' , 1200.00 , NULL , 2001);
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary ,
commission , dep_id)
```

```
values (69000 , ' JULIUS' , 'CLERK' , 66928 , DATE'1991-12-03' , 1050.00 , NULL , 3001 );
```

```
INSERT INTO globetechtb2312 (emp_id , emp_name ,job_name , manager_id, hire_date , salary ,
commission , dep_id)
```

```
values (69324 , 'MARKER' , 'CLERK' , 67832,DATE'1992-01-23',1400.00, NULL, 1001 );
```

CASE 9:

```
SELECT EMP_ID , SALARY , COMMISSION FROM globetechtb2312;
```

OUTPUT:

The screenshot shows the Oracle Live SQL interface with the following components:

- Browser Tabs:** General (Meeting) | Microsoft, Oracle Live SQL - SQL Worksheet, WATSAPP WEB - Google Search, CASESTUDY-W3-SOUMITRA-D, (no subject) - saikirananche1410.
- Address Bar:** livesql.oracle.com/apex/?p=590.1:19653536882901:NO:RP-
- Page Header:** Live SQL, Feedback, Help, saikirananche1410@gmail.com.
- SQL Worksheet:** Clear, Find, Actions, Save, Run.
- SQL Statement:** 1 SELECT EMP_ID , SALARY , COMMISSION FROM globetechtb2312;
- Output Table:**

EMP_ID	SALARY	COMMISSION
68319	6000	-
66928	2750	-
67832	2550	-
65646	2957	-
67858	3100	-
69062	3100	-
63679	900	-
64989	1700	400
65271	1350	600
66564	1350	1500
68454	1600	0
68736	1200	-
69000	1050	-
69324	1400	-

Download CSV
14 rows selected.

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CASE 10:

SELECT DISTINCT DEP_ID , JOB_NAME FROM globetechtb2312

ORDER BY DEP_ID;

OUTPUT:

The screenshot shows the Oracle Live SQL interface. The browser tabs include 'General (Meeting) | Microsoft', 'Oracle Live SQL - SQL Worksheet', 'WATSAPP WEB - Google Search', 'CASESTUDY-W3-SOUMITRA-DX', and '(no subject) - saikirananche1410'. The address bar shows 'livesql.oracle.com/apex/f?p=590:1:19653536882901::NO:RP:'. The 'Live SQL' header is visible. The 'SQL Worksheet' section contains the query:

```
1 SELECT DISTINCT DEP_ID , JOB_NAME FROM globetechtb2312
2 ORDER BY DEP_ID;
```

 The output is a table with 9 rows:

DEP_ID	JOB_NAME
1001	PRESIDENT
1001	CLERK
1001	MANAGER
2001	ANALYST
2001	CLERK
2001	MANAGER
3001	CLERK
3001	MANAGER
3001	SALESMAN

 Below the table, it says 'Download CSV' and '9 rows selected.' The footer contains copyright information: '© 2022 Oracle - Live SQL 22.1.3, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym' and 'Built with using Oracle APEX - Privacy - Terms of Use'.

CASE 11:

```
SELECT EMP_NAME, DEP_ID FROM globetechb2312  
WHERE DEP_ID != 2001;
```

OUTPUT:

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

```
1 SELECT EMP_NAME, DEP_ID FROM globetechb2312  
2 WHERE DEP_ID != 2001;
```

The output is displayed in a table below the query:

EMP_NAME	DEP_ID
KAYLING	1001
BLAZE	3001
CLARE	1001
ADELYN	3001
HADE	3001
HADDOEN	3001
TUCKER	3001
JULIUS	3001
MARKER	1001

Below the table, it says "Download CSV" and "9 rows selected.".

At the bottom of the interface, the footer text reads: "© 2022 Oracle - Live SQL 22.1.3, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with ♥ using Oracle APEX - Privacy - Terms of Use".

CASE 12 :

```
SELECT *FROM globetechtb2312
```

```
WHERE HIRE_DATE < DATE'1991-1-1';
```

OUTPUT:

The screenshot shows the Oracle Live SQL interface in a web browser. The browser's address bar displays the URL: `livesql.oracle.com/apex/f?p=590:1:19653536882901::NO:RP::`. The page title is "Live SQL". The interface includes a "SQL Worksheet" section with a text area containing the following SQL query:

```
1 SELECT *FROM globetechtb2312
2 WHERE HIRE_DATE < DATE'1991-1-1';
```

Below the text area, the query results are displayed in a table with the following columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. The table contains one row of data for employee 63679, SANDRINE, who is a CLERK, hired on 18-DEC-90, with a salary of 900 and a commission of -.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001

Below the table, there is a "Download CSV" link. The footer of the page contains the following text: "© 2022 Oracle - Live SQL 22.1.3, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with ♥ using Oracle APEX - Privacy - Terms of Use".

CASE13:

From the following table, write a SQL query to compute the average salary of those employees who work as 'ANALYST'.

Return average salary.

```
SELECT AVG(SALARY) FROM globetechb2312  
WHERE JOB_NAME = 'ANALYST';
```

OUTPUT:

The screenshot shows the Oracle Live SQL web interface. The browser's address bar displays the URL: `livesql.oracle.com/apex/f?p=590:1:19653536882901::NO:RP::`. The page title is "Live SQL". The "SQL Worksheet" section contains the following SQL query:

```
1 SELECT AVG(SALARY) FROM globetechb2312  
2 WHERE JOB_NAME = 'ANALYST';
```

Below the query editor, the results are displayed in a table with one column, `AVG(SALARY)`, and one row containing the value `3100`. A "Download CSV" link is visible below the results. The footer of the page includes the copyright notice: "© 2022 Oracle - Live SQL 22.1.3, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym" and a note: "Built with ♥ using Oracle APEX - Privacy - Terms of Use".

CASE 14

From the following table, write a SQL query to find the details of the employee 'BLAZE'

```
SELECT *FROM globetechtb2312  
WHERE EMP_NAME = 'BLAZE';
```

OUTPUT:

The screenshot shows the Oracle Live SQL interface in a web browser. The browser's address bar displays the URL: `livesql.oracle.com/apex/f?p=590:1:19653536882901::NO:RP::`. The page title is "Live SQL". The "SQL Worksheet" section contains the following query:

```
1 SELECT *FROM globetechtb2312  
2 WHERE EMP_NAME = 'BLAZE';
```

Below the query, the results are displayed in a table with the following columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. The table contains one row of data for the employee 'BLAZE'.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001

Below the table, there is a "Download CSV" link. At the bottom of the page, the footer text reads: "© 2022 Oracle - Live SQL 22.1.3, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with ♥ using Oracle APEX - Privacy - Terms of Use".

CASE15

From the following table, write a SQL query to find those employees whose commission is more than their salary. Return complete information about the employees

SOLUTION

```
SELECT *FROM globetechtb2312  
WHERE COMMISSION > SALARY ;
```

OUTPUT:

The screenshot shows the Oracle Live SQL interface in a web browser. The browser's address bar displays the URL: `livesql.oracle.com/apex/?p=590.1:19653536882901:NO:RP:-`. The page title is "Live SQL". The interface includes a "SQL Worksheet" section with a query editor and a "Run" button. The query entered is:

```
1 SELECT *FROM globetechtb2312  
2 WHERE COMMISSION > SALARY ;
```

Below the query editor, the output is displayed as a table with the following data:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
66564	HADEEN	SALESMAN	66928	28-SEP-91	1350	1500	3001

Below the table, there is a "Download CSV" link. At the bottom of the page, the footer text reads: "© 2022 Oracle - Live SQL 22.13, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with ♥ using Oracle APEX - Privacy - Terms of Use".

CASE16

From the following table, write a SQL query to find those employees whose salary exceeds 3000 after giving 25% increment. Return complete information about the employees.

SOLUTION :

```
UPDATE globetechtb2312  
SET SALARY = 1.25*SALARY;
```

OUTPUT:

The screenshot shows a web browser window with multiple tabs. The active tab is 'Oracle Live SQL - SQL Worksheet'. The address bar shows the URL 'livesql.oracle.com/apex/?p=590:1:19653536882901:NO:RP:'. The page header includes 'Live SQL' and a user profile 'salkirananche1410@gmail.com'. The main content area is titled 'SQL Worksheet' and contains the following SQL code:

```
1 UPDATE globetechtb2312  
2 SET SALARY = 1.25*SALARY ;
```

Below the code editor, a message states '14 row(s) updated.'. At the bottom of the page, a footer contains copyright information: '© 2022 Oracle - Live SQL 22.1.3, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym' and a note 'Built with ♥ using Oracle APEX - Privacy - Terms of Use'.

STEP 2;

```
SELECT *FROM globetechtb2312  
WHERE SALARY>3000;
```

General (Meeting) | Microso... x Oracle Live SQL - SQL Worksheet x WATSAPP WEB - Google Search x CASESTUDY-W3-SOUMITRA-D... x (no subject) - saikirananche1410... x

livesql.oracle.com/apex/f?p=590:1:19653536882901::NO:RP::

Live SQL

Feedback Help saikirananche1410@gmail.com

SQL Worksheet Clear Find Actions Save Run

```
1 SELECT * FROM globetechtb2312
2 WHERE SALARY > 8000;
```

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRED_DATE	SALARY	COMMISSION	DEPT_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	9375	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	4296.875	-	3001
67832	CLARE	MANAGER	68319	09-JUN-91	3984.375	-	1001
65646	TOMAS	MANAGER	68319	02-APR-91	4620.3125	-	2001
67858	SCARLET	ANALYST	65646	19-APR-97	4843.75	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	4843.75	-	2001

Download CSV
6 rows selected.

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CASE17:

From the following table, write a SQL query to find the names of the employees whose length is six. Return employee name.

SOLUTION :

```
SELECT EMP_NAME FROM globetechtb2312
WHERE LENGTH (TRIM((EMP_NAME))) =7;
```

OUTPUT:

General (Meeting) | Microso... x Oracle Live SQL - SQL Worksheet x WATSAPP WEB - Google Search x CASESTUDY-W3-SOUMITRA-D... x (no subject) - saikirananche1410... x

livesql.oracle.com/apex/f?p=590:1:19653536882901::NO:RP::

Live SQL

Feedback Help saikirananche1410@gmail.com

SQL Worksheet Clear Find Actions Save Run

```
1 SELECT EMP_NAME FROM globetechtb2312
2 WHERE LENGTH (TRIM((EMP_NAME))) =7;
3
```

EMP_NAME
KAYLING
SCARLET

Download CSV
2 rows selected.

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CASE18:

From the following table, write a SQL query to find those employees who joined in the month January.

Return complete information about the employees

SOLUTION:

```
SELECT *FROM  
GLOBETECHTB2312  
WHERE TO_CHAR(HIRE_DATE,'MON') = 'JAN';
```

OUTPUT:

The screenshot shows the Oracle Live SQL interface. The browser tabs include 'General (Meeting) | Microsoft', 'Oracle Live SQL - SQL Worksheet', 'WATSAPP WEB - Google Search', 'CASESTUDY-W3-SOUMITRA-D...', and '(no subject) - saikirananche1410'. The address bar shows 'livesql.oracle.com/apex/?p=590:1:19653536882901:NO:RP:'. The 'Live SQL' logo is in the top left. The 'SQL Worksheet' section contains the following SQL query:

```
1 SELECT *FROM  
2 GLOBETECHTB2312  
3 WHERE TO_CHAR(HIRE_DATE,'MON') = 'JAN';
```

Below the query, the output is displayed as a table with 8 columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMPRESSION, and DEP_ID. The table contains one row of data for employee 69324, HARKER, who is a CLERK, hired on 23-JAN-92, with a salary of 2187.5 and a department ID of 1801. A 'Download CSV' link is present below the table. The footer of the interface shows the copyright information: '© 2022 Oracle - Live SQL 22.1.3, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym' and a note 'Built with ♥ using Oracle APEX - Privacy - Terms of Use'.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMPRESSION	DEP_ID
69324	HARKER	CLERK	67832	23-JAN-92	2187.5	-	1801

CASE 19:

From the following table, write a SQL query to find the name of employees and their manager separated by the string 'works for'.

SOLUTION :

```
SELECT e.emp_name || ' works for ' || m.emp_name
FROM globetechtb2312 e,
     globetechtb2312 m
WHERE e.manager_id = m.emp_id;
```

OUTPUT:

The screenshot shows the Oracle Live SQL interface. The SQL query is entered in the worksheet, and the output is displayed in a table below. The output table has two columns: 'E_EMP_NAME' and 'WORKS FOR' and 'M_EMP_NAME'. The output shows 13 rows of data, where each row represents an employee and their manager.

E_EMP_NAME	WORKS FOR	M_EMP_NAME
BLAZE	works for	KAYLING
CLARE	works for	KAYLING
JONAS	works for	KAYLING
ADELYN	works for	BLAZE
WADE	works for	BLAZE
MADSEN	works for	BLAZE
TUCKER	works for	BLAZE
JULIUS	works for	BLAZE
MARXER	works for	CLARE
SCARLET	works for	JONAS
FRANK	works for	JONAS
ADNRES	works for	SCARLET
SANDRINE	works for	FRANK

Download CSV
13 rows selected.

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CASE20:

From the following table, write a SQL query to find those employees whose designation is 'CLERK'.

Return complete information about the employees.

SOLUTION :

```
SELECT *FROM globetechtb2312
WHERE JOB_NAME = 'CLERK' ;
```

OUTPUT:

The screenshot shows the Oracle Live SQL interface. The browser tabs include 'General (Meeting) | Micro...', 'Oracle Live SQL - SQL Worksheet', 'WATSAPP WEB - Google Search', 'CASESTUDY-W3-SOUMITRA-D...', and '(no subject) - saikirananche1410'. The address bar shows 'livesql.oracle.com/apex/?p=590:1:19653536882901:NO:RP:'. The 'Live SQL' header is visible. The 'SQL Worksheet' section contains the query:

```
1 SELECT *FROM globetechtb2312
2 WHERE JOB_NAME = 'CLERK' ;
```

 The 'Output' section displays a table with 8 columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. The table contains 4 rows of data for employees with the job name 'CLERK'. Below the table, there is a 'Download CSV' link and the text '4 rows selected.' The footer includes copyright information for Oracle and mentions 'Built with using Oracle APEX - Privacy - Terms of Use'.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
68736	ADRIEN	CLERK	67858	23-MAY-97	1200	-	2001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001
69324	HARKER	CLERK	67832	23-JAN-92	1400	-	1001

RESULT

All the test cases have been solved and presented successfully in the present document.

CONCLUSIONS

All the case studies have been solved successfully with all the concepts that have been covered in the training session. It's really a great experience of learning while solving the cases. This case study gave me immense confidence regarding my ability to upskill in new technologies.

REFERENCES

- https://www.w3schools.com/sql/sql_count_avg_sum.asp