

CASE STUDY (NUMBER -04)---SOLUTION SUBMISSION

ON AZURE ANALYTICS

BY

NAME : SAI KIRAN ANCHE

BATCH:DXC-262-ANALYTICS-B12-AZURE

TRAINING UNDER : MANIPAL PRO LEARN

DATE OF SUBMISSION : 2-06-2022

EMPLOYEE DOMAIN - AZURE ANALYTICS

ROLL NO: DXC262AB12021

COMPANY – DXC TECHNOLOGY

TRAINER NAME – MR. AJAY KUMAR

NO OF TEST CASES :18

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:

33: From the following table, write a SQL query to find those employees of department id 3001 or 1001 and joined in the year 1991. Return complete information about the employees case 34: From the following table, write a SQL query to find those employees who are working for the department ID 1001 or 2001. Return complete information about the employees case 35: From the following table, write a SQL query to find those employees whose designation is 'CLERK' and work in the department ID 2001. Return complete information about the employees. case 36: From the following table, write a SQL query to find those employees who are either CLERK or MANAGER. Return complete information about the employees case 37: From the following table, write a SQL query to find those employees who joined in any year except the month of February. Return complete

information about the employees case 38:From the following table, write a SQL query to find those employees who joined in the year 91. Return complete information about the employees case 39:From the following table, write a SQL query to find those employees who joined in the month of June 1991. Return complete information about the employees case 40: From the following table, write a SQL query to find all the employees whose annual salary is within the range 24000 and 50000 (Begin and end values are included.). Return complete information about the employees. case 41:From the following table, write a SQL query to find all those employees who have joined on 1st May, 20th Feb, and 3rd Dec in the year 1991. Return complete information about the employees. case 42:From the following table, write a SQL query to find those employees working under the managers 63679 or 68319 or 66564 or 69000. Return complete information about the employees case 43:From the following table, write a SQL query to find those employees who joined after the month JUNE in the year 1991 and within this year. Return complete information about the employees case 44:From the following table, write a SQL query to find those employees who joined in 90's. Return complete information about the employees case 45: From the following table, write a SQL query to find those managers who are in the department 1001 or 2001. Return complete information about the employees. case 46: From the following table, write a SQL query to find those employees who joined in the month FEBRUARY with a salary range between 1001 to 2000 (Begin and end values are included.). Return complete information about the employees case 47: From the following table, write a SQL query to find those employees who joined before or after the year 1991. Return complete information about the employees. case 48: From the following tables, write a SQL query to find employees along with department name. Return employee ID, employee name, job name, manager ID, hire date, salary, commission, department ID, and department name case 49: From the following tables, write a SQL query to find those employees who earn 60000 in a year or not working as an ANALYST. Return employee name, job name, (12*salary) as Annual Salary, department ID, and grade case 50:From the following table, write a SQL query to find those employees whose salary is higher than the salary of their managers. Return employee name, job name, manager ID, salary, manager name, manager's salary. 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

Case 33: From the following table, write a SQL query to find those employees of department id 3001 or 1001 and joined in the year 1991. Return complete information about the employees

Query:

```
SELECT *  
FROM globetechb2312  
WHERE to_char(HIRE_DATE,'YYYY') = '1991'  
AND (DEP_ID =3001  
OR DEP_ID =1001) ;
```

Output:

The screenshot shows the Oracle Live SQL interface. The query is entered in the SQL Worksheet, and the results are displayed in a table below. The table has 8 columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. There are 8 rows of data, all of which are employees from department 3001 who were hired in the year 1991.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
64989	ADELVIN	SALESMAN	66928	28-FEB-91	1700	400	3001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
69000	JULIUS	CLERK	66928	03-DEC-91	1850	-	3001

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8 rows selected.

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case 34: From the following table, write a SQL query to find those employees who are working for the department ID 1001 or 2001. Return complete information about the employees

Query:

```
SELECT *  
FROM globetechb2312  
WHERE (DEP_ID =2001  
OR DEP_ID =1001) ;
```

Output:

The screenshot shows the Oracle Live SQL interface. The top bar includes a WhatsApp icon, a tab for 'Oracle Live SQL - SQL Worksheet', and a user profile for 'saikirananche1410@gmail.com'. The main area is titled 'SQL Worksheet' and contains a SQL query in a text editor. Below the editor, the results of the query are displayed as a table with 8 rows. At the bottom, there is a footer with copyright information and a taskbar with document tabs.

```
1 SELECT *  
2 FROM globetechb2312  
3 WHERE (DEP_ID =2001  
4 OR DEP_ID =1001) ;
```

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
68736	ADRIEN	CLERK	67858	23-MAY-97	1200	-	2001
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001

Download CSV
8 rows selected.

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case 35: From the following table, write a SQL query to find those employees whose designation is 'CLERK' and work in the department ID 2001. Return complete information about the employees.

Query: **SELECT ***
FROM globetechb2312
WHERE (JOB_NAME='CLERK' AND DEP_ID =2001);

Output:

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

```
1 SELECT *
2 FROM globetechb2312
3 WHERE (JOB_NAME='CLERK' AND DEP_ID =2001);
```

The output displays a table with 8 columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. Two rows are selected:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
63679	SANDRINE	CLERK	69062	18-DEC-98	980	-	2001
68736	ADRIEN	CLERK	67858	23-MAY-97	1200	-	2001

Below the table, it says "Download CSV" and "2 rows selected." The footer indicates the version is 2022 Oracle - Live SQL 22.13, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0.

case 36: From the following table, write a SQL query to find those employees who are either CLERK or MANAGER. Return complete information about the employees

Query:

```
SELECT *  
FROM globetechb2312  
WHERE (JOB_NAME='CLERK' OR JOB_NAME='MANAGER');
```

Output:

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

```
1 SELECT *  
2 FROM globetechb2312  
3 WHERE (JOB_NAME='CLERK' OR JOB_NAME='MANAGER');
```

The results are displayed in a table with 8 columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. There are 6 rows of data selected.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
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	MARKE	CLERK	67832	23-JAN-92	1400	-	1001

Download CSV
6 rows selected.

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case 37: From the following table, write a SQL query to find those employees who joined in any year except the month of February. Return complete information about the employees

Query:

SELECT *

FROM globetechb2312

WHERE to_char(hire_date,'MONTH') NOT LIKE 'FEB%';

Output:

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

```
1 SELECT *
2 FROM globetechb2312
3 WHERE to_char(hire_date,'MONTH') NOT LIKE 'FEB%';
```

The output displays a table with 12 rows and 8 columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. The data is as follows:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
68736	ADRES	CLERK	67858	23-MAY-97	1200	-	2001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001

Below the table, it says "Download CSV" and "12 rows selected."

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The browser tabs at the bottom show "ASSIGNMENT_SA....docx" and "case study 2 by s....docx".

case 38: From the following table, write a SQL query to find those employees who joined in the year 91. Return complete information about the employees

Query:

```
SELECT *  
FROM globetechb2312  
WHERE to_char(hire_date,'YYYY')=1991;
```

Output:

The screenshot shows the Oracle Live SQL interface. The SQL query is entered in the worksheet and executed. The output is a table with 8 columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. The table contains 18 rows of employee data. Below the table, there is a link to download the CSV file and a message indicating that 18 rows were selected. The footer of the interface shows the copyright information for Oracle and the version of the database.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
64989	ADELIN	SALESMAN	66928	20-FEB-91	1700	400	3001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001

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case 39: From the following table, write a SQL query to find those employees who joined in the month of June 1991. Return complete information about the employees

Query:

```
SELECT *  
FROM globetechb2312  
WHERE to_char(hire_date,'MONTH') LIKE 'JUN%' AND  
to_char(hire_date,'YYYY')=1991;
```

Output:

The screenshot shows the Oracle Live SQL Worksheet interface. The top bar includes a browser address bar with the URL `livesql.oracle.com/apex/?p=590:1:16102434314684:NO:RP:` and a "Live SQL" button. The main area is divided into two sections: a SQL editor and an output area. The SQL editor contains the following query:

```
1 SELECT *  
2 FROM globetechb2312  
3 WHERE to_char(hire_date,'MONTH') LIKE 'JUN%' AND  
4 to_char(hire_date,'YYYY')=1991;
```

The output area displays a table with the following data:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001

Below the table, there is a "Download CSV" link. The bottom of the interface shows a footer with 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". The bottom bar contains several document tabs: "ASSIGNMENT_SA....docx", "ASSIGNMENT_SA....docx", "ASSIGNMENT_SA....docx", and "case study 2 by s....docx".

case 40: From the following table, write a SQL query to find all the employees whose annual salary is within the range 24000 and 50000 (Begin and end values are included.). Return complete information about the employees.

Query:

```
SELECT *  
FROM globetechb2312  
WHERE 12*salary BETWEEN 24000 AND 50000;
```

Output:

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

```
1 SELECT *  
2 FROM globetechb2312  
3 WHERE 12*salary BETWEEN 24000 AND 50000;
```

The output displays a table with 8 columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. The table contains 5 rows of data.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001

Below the table, it says "Download CSV" and "5 rows selected."

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case 41: From the following table, write a SQL query to find all those employees who have joined on 1st May, 20th Feb, and 3rd Dec in the year 1991. Return complete information about the employees.

Query:

SELECT *

FROM globetechb2312

WHERE to_char(hire_date,'DD-MON-YY') IN ('01-MAY-91', '20-FEB-91', '03-DEC-91');

Output:

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

```
1 SELECT *
2 FROM globetechb2312
3 WHERE to_char(hire_date,'DD-MON-YY') IN ('01-MAY-91', '20-FEB-91', '03-DEC-91');
```

The results are displayed in a table with 8 columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. There are 4 rows selected.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001

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case 42: From the following table, write a SQL query to find those employees working under the managers 63679 or 68319 or 66564 or 69000. Return complete information about the employees

Query:

```
SELECT *  
FROM globetechb2312  
WHERE MANAGER_ID IN (63679,  
68319,  
66564,  
69000);
```

Output:

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

```
1 SELECT *  
2 FROM globetechb2312  
3 WHERE MANAGER_ID IN (63679,  
4 68319,  
5 66564,  
6 69000);
```

The results table shows 3 rows selected:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	1001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
65648	JONAS	MANAGER	68319	02-APR-91	2957	-	2001

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case 43: From the following table, write a SQL query to find those employees who joined after the month JUNE in the year 1991 and within this year. Return complete information about the employees

Query:

```
SELECT *  
FROM globetechb2312  
WHERE HIRE_DATE BETWEEN '01-JUL-91' AND '31-DEC-91';
```

Output:

The screenshot shows the Oracle Live SQL interface. The SQL query is entered in the worksheet and executed. The results are displayed in a table with 8 columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. The table contains 5 rows of data. Below the table, there is a 'Download CSV' link and a message '5 rows selected.' The footer of the interface shows the copyright information and the version of the Oracle Database.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
66564	MADSEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001

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case 44: From the following table, write a SQL query to find those employees who joined in 90's. Return complete information about the employees

Query:

SELECT *

FROM globetechb2312

WHERE to_char(hire_date,'YYYY') BETWEEN '1990' AND '1999';

Output:

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

```
1 SELECT *
2 FROM globetechb2312
3 WHERE to_char(hire_date,'YYYY') BETWEEN '1990' AND '1999';
```

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 14 rows of data, all of which are employees who joined in the 1990s.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
68736	ADRIEN	CLERK	67858	23-MAY-97	1200	-	2001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001

Download CSV
14 rows selected.

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case 45: From the following table, write a SQL query to find those managers who are in the department 1001 or 2001. Return complete information about the employees.

Query:

Output:

case 46: From the following table, write a SQL query to find those employees who joined in the month FEBRUARY with a salary range between 1001 to 2000 (Begin and end values are included.). Return complete information about the employees

Query:

```
SELECT *  
FROM globetechb2312  
WHERE to_char(hire_date,'MON') = 'FEB'  
AND salary BETWEEN 1000 AND 2000;
```

Output:

The screenshot shows the Oracle Live SQL interface. The query is entered in the SQL Worksheet, and the results are displayed in a table. The table has 8 columns: EMP_ID, EMP_NAME, JOB_NAME, MANAGER_ID, HIRE_DATE, SALARY, COMMISSION, and DEP_ID. Two rows are selected, corresponding to employees ADELIN and WADE.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
64989	ADELIN	SALESMAN	66928	20-FEB-91	1700	400	3001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001

Download CSV
2 rows selected.

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case 47: From the following table, write a SQL query to find those employees who joined before or after the year 1991. Return complete information about the employees.

Query:

```
SELECT *  
FROM globetechb2312  
WHERE HIRE_DATE < ( DATE'1991-1-1');
```

Output:

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

```
1 SELECT *  
2 FROM globetechb2312  
3 WHERE HIRE_DATE < ( DATE'1991-1-1');
```

The output is a table with the following data:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
63679	SANDRINE	CLERK	69962	18-DEC-98	980	-	2001

Below the table, there is a link to "Download CSV".

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The bottom of the interface shows a file explorer with the following files:

- ASSIGNMENT_SA....docx
- ASSIGNMENT_SA....docx
- ASSIGNMENT_SA....docx
- case study 2 by s....docx

There is a "Show all" button and a close button (X) on the right.

case 48: From the following tables, write a SQL query to find employees along with department name. Return employee ID, employee name, job name, manager ID, hire date, salary, commission, department ID, and department name

Query:

Output:

case 49: From the following tables, write a SQL query to find those employees who earn 60000 in a year or not working as an ANALYST. Return employee name, job name, (12*salary) as Annual Salary, department ID, and grade

Query:

```
select emp_name , salary , dep_id from globetechtb2312  
where 12*salary >= 60000 AND JOB_NAME != 'ANALYST';
```

Output:

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

```
1 select emp_name , salary , dep_id from globetechtb2312  
2 where 12*salary >= 60000 AND JOB_NAME != 'ANALYST';
```

The output is displayed as a table with the following data:

EMP_NAME	SALARY	DEP_ID
KAYLING	60000	1001

Below the table, there is a link to "Download CSV".

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case 50: From the following table, write a SQL query to find those employees whose salary is higher than the salary of their managers. Return employee name, job name, manager ID, salary, manager name, manager's salary.

Query:

```
SELECT w.emp_name,  
       w.job_name,  
       w.manager_id,  
       w.salary,  
       m.emp_name "Manager",  
       m.emp_id,  
       m.salary "Manager_Salary"  
FROM globetechtb2312 w,  
     globetechtb2312 m  
WHERE w.manager_id = m.emp_id  
AND w.salary > m.salary;
```

Output:

The screenshot shows the Oracle Live SQL interface. The SQL query is entered in the editor, and the output is displayed in a table below. The table has columns: EMP_NAME, JOB_NAME, MANAGER_ID, SALARY, Manager, EMP_ID, and Manager_Salary. Two rows are selected and highlighted in blue.

EMP_NAME	JOB_NAME	MANAGER_ID	SALARY	Manager	EMP_ID	Manager_Salary
SCARLET	ANALYST	65646	3100	JONAS	65646	2957
FRANK	ANALYST	65646	3100	JONAS	65646	2957

Download CSV
2 rows selected.

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ASSIGNMENT_SA...docx ASSIGNMENT_SA...docx ASSIGNMENT_SA...docx case study 2 by s...docx Show all

RESULT

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

CONCLUSIONS

Almost 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. Day by day I can see improvement in myself.

REFERENCES

- <https://www.w3schools.com/sql>