

ASSIGNMENT 3

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BATCH: DXC-262-Analytics-B12-Azure

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Problem statement:

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.

Case study- Part 3:

Create a table called "globetechtb231" and insert below data into it: emp_id | emp_name | job_name | manager_id | hire_date | salary | commission | dep_id

Case 21: From the following table, write a SQL query to find those employees whose experience is more than 27 years. Return complete information about the employees

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

```
1 SELECT *
2 FROM globetechtb231
3 WHERE months_between(sysdate,hire_date)>27*12;
4
5
6
7
```

The results table displays the following data:

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
67823	CLARE	MANAGER	68319	06-SEP-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
63679	SANDRINE	CLERK	69062	19-DEC-91	900	-	2001
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
66564	MADEN	SALESMAN	66928	28-SEP-91	1350	1500	3001

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33°C Partly sunny 17:17 01-06-2022

Case 22: From the following table, write a SQL query to find those employees whose salaries are less than 3500. Return complete information about the employees.

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

```
1 SELECT *
2 FROM globetechb231
3 WHERE salary < 3500;
4
```

The results are displayed in a table with the following data:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEPT_ID
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3801
67823	CLARE	MANAGER	68319	06-SEP-91	2550	-	1801
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2801
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2801
69862	FRANK	ANALYST	65646	03-DEC-91	3100	-	2801
63679	SANDRINE	CLERK	69862	18-DEC-91	980	-	2801
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3801
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3801
66564	HADEN	SALESMAN	66028	20-SEP-91	1350	1500	3801

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Case 23: From the following table, write a SQL query to find the employee whose designation is 'ANALYST'. Return employee name, job name and salary.

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

```
1 SELECT emp_name,
2        job_name,
3        salary
4 FROM globetechb231
5 WHERE job_name = 'ANALYST';
6
```

The results are displayed in a table with the following data:

EMP_NAME	JOB_NAME	SALARY
SCARLET	ANALYST	3100
FRANK	ANALYST	3100

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2 rows selected.

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Case 24: From the following table, write a SQL query to find those employees who have joined in the year 1991. Return complete information about the employees.

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

```
1 SELECT *
2 FROM globetechb231
3 WHERE to_char(hire_date, 'YYYY')='1991';
4
```

The results are displayed in a table with the following data:

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
67823	CLARE	MANAGER	68319	06-SEP-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
63679	SANDRINE	CLERK	69062	18-DEC-91	900	-	2001
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
66564	MADEN	SALESMAN	66928	28-SEP-91	1350	1500	3001

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Case 26: From the following table, write a SQL query to find those employees who are not working under a manager. Return employee name, job name.

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

```
1 SELECT emp_name,
2        job_name
3 FROM globetechb231
4 WHERE manager_id is NULL;
5
```

The results are displayed in a table with the following data:

EMP_NAME	JOB_NAME
KAYLING	PRESIDENT

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Case 27: From the following table, write a SQL query to find those employees who joined on 1st May 91. Return complete information about the employees.

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

```

1 SELECT *
2 FROM globetechb231
3 WHERE to_char(hire_date, 'dd-mm-yyyy') = '01-05-1991'
4

```

The results table shows one employee:

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

Below the table is a "Download CSV" link.

At the bottom of the interface, there is a status bar indicating the version (© 2022 Oracle - Live SQL 22.1.3), the database (running Oracle Database 19c Enterprise Edition - 19.14.0.0.0), and the user (Ask Tom - Dev Gym). The system also shows the temperature (34°C Partly sunny) and the time (16:32 01-06-2022).

Case 28: From the following table, write a SQL query to find those employees working under the manger whose ID is 68319. Return employee ID, employee name, salary, and age.

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

```

1 SELECT emp_id,
2        emp_name,
3        salary,
4        round(months_between(sysdate, hire_date) / 12) as "Experience"
5 FROM globetechb231
6 WHERE manager_id = 68319;
7
8
9
10

```

The results table shows three employees:

EMP_ID	EMP_NAME	SALARY	Experience
66928	BLAZE	2750	31
67823	CLARE	2550	31
65646	JONAS	2957	31

Below the table is a "Download CSV" link and the text "3 rows selected."

At the bottom of the interface, there is a status bar indicating the version (© 2022 Oracle - Live SQL 22.1.3), the database (running Oracle Database 19c Enterprise Edition - 19.14.0.0.0), and the user (Ask Tom - Dev Gym). The system also shows the temperature (34°C Partly sunny) and the time (16:54 01-06-2022).

Case 29: From the following table, write a SQL query to find those employees who earn more than 100 as daily salary. Return employee ID, employee name, salary, and age.

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

```
1 SELECT emp_id,
2        emp_name,
3        salary
4 FROM globetechb231
5 WHERE (salary/30)>100;
```

The results table displays the following data:

EMP_ID	EMP_NAME	SALARY
66928	BLAZE	2750
67823	CLARE	2550
65646	JONAS	2957
63679	SANDRINE	900
64989	ADELIN	1700
65271	HADE	1350
66564	MADE	1350
66584	TUCKER	1600
68736	ADRES	1200

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Case 30: From the following table, write a SQL query to find those employees who retired after 31-Dec-99, completion of 8 years of service period. Return employee name.

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

```
1 SELECT emp_name
2 FROM globetechb231
3 WHERE hire_date-to_date('1992-01-01','YYYY-MM-DD');
```

The results table displays the following data:

EMP_NAME
SCARLET
ADRES
MARKER

Download CSV
3 rows selected.

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Case 31: From the following table, write a SQL query to find those employees whose salary is an odd value. Return complete information about the employees.

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

```
1 SELECT *
2 FROM globetechb231
3 WHERE mod(salary,2)=1;
4
5
6
7
```

Below the query editor, a table displays the results of the query:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001

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

Case 32: From the following table, write a SQL query to find those employees whose salary contains only three digits. Return complete information about the employees.

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

```
1 SELECT *
2 FROM globetechb231
3 WHERE length(salary)=3;
4
5
6
7
```

Below the query editor, a table displays the results of the query:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
63679	SANDRINE	CLERK	69062	18-DEC-91	900	-	2001

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