

# DXC AZURE ANALYTICS

## CASE STUDY-4

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Batch: DXC- AZURE-B12- ANALYTIC






Aim : our aim is to migrate their data to the cloud. And using azure cloud services we have to develop solutions for global-tech.

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 globetechtb231 where dep\_id = 3001 or dep\_id = 1001 and to\_char(hire\_date,'yyyy') = '1991';

  **Live SQL**

 Feedback  Help  adityanandi14@gmail.com 

**SQL Worksheet**  Clear  Find **Actions**   Save  Run

```
1 select * from globetechtb231
2 where dep_id = 3001 or dep_id = 1001 and to_char(hire_date,'yyyy') = '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	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
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001





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



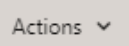


Return complete information about the employees

query: select \* from globetechtb231

where dep\_id = 2001 or dep\_id = 1001;

  **Live SQL**

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**SQL Worksheet**  Clear  Find  Actions  Save  Run



```
1 select * from globetechtb231
2 where dep_id = 2001 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	ANDRES	CLERK	67858	23-MAY-97	1200	-	2001
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001






[Download CSV](#)  
8 rows selected.

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 globetechtb231 where dep\_id = 2001 and job\_name = 'CLERK';

  **Live SQL**

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**SQL Worksheet**  Clear  Find **Actions**   Save  Run





```
1 select * from globetechtb231
2 where dep_id = 2001 and job_name = 'CLERK';
```






EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
68736	ANDRES	CLERK	67858	23-MAY-97	1200	-	2001

[Download CSV](#)  
2 rows selected.

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

  **Live SQL**

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**SQL Worksheet**  Clear  Find **Actions**   Save  Run

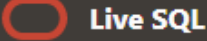

```
1 select * from globetechtb231
2 where job_name = 'CLERK' OR JOB_NAME = 'MANAGER';
```




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
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
68736	ANDRES	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](#)  
7 rows selected.


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 globetechtb231 where TO_CHAR(HIRE_DATE,'MM') != '02';`




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SQL Worksheet 

Clear  Find 

Actions 

Save 

 Run

```
1 select * from globetechtb231
2 where TO_CHAR(HIRE_DATE,'MM') != '02';
```

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	ANDRES	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  
12 rows selected.

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 globetechtb231 where TO\_CHAR(HIRE\_DATE,'yyyy') = '1991';

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**SQL Worksheet**
Clear
Find
Actions
Save
Run

```

1 select * from globetechtb231
2 where TO_CHAR(HIRE_DATE,'yyyy') = '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
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	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
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001

[Download CSV](#)  
 10 rows selected.

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

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**SQL Worksheet**
Clear
Find
Actions
Save
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```

1 select * from globetechtb231
2 where TO_CHAR(HIRE_DATE,'yyyy') = '1991' AND TO_CHAR(HIRE_DATE,'MM') = '06';

```

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

[Download CSV](#)

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 globetechtb231 where (SALARY \* 12) > 24000 AND (SALARY \* 12) < 50000;

Live SQL

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SQL Worksheet

Clear

Find

Actions

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Run

```

1 select * from globetechtb231
2 where (SALARY * 12) > 24000 AND (SALARY * 12) < 50000;

```

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

Download CSV
5 rows selected.

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 globetechtb231 where to\_char(hire\_date,'dd-mm') = '01-05' or to\_char(hire\_date,'dd-mm') = '20-02' or to\_char(hire\_date,'dd-mm') = '03-12';

Live SQL

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SQL Worksheet

Clear

Find

Actions

Save

Run

```

1 select * from globetechtb231
2 where to_char(hire_date,'dd-mm') = '01-05' or to_char(hire_date,'dd-mm') = '20-02' or
3 to_char(hire_date,'dd-mm') = '03-12';

```

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

Download CSV
4 rows selected.

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

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**SQL Worksheet**
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```

1 * from globetechtb231
2 (manager_id = 68319 or manager_id = 63679 or manager_id = 66564 or manager_id = 69000) AND job_name != 'MANAG

```

no data found

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

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**SQL Worksheet**
Clear
Find
Actions
Save
Run

```



1 select * from globetechtb231
2 where HIRE_DATE > TO_DATE('1991-06-01','YYYY-MM-DD') ;

```

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
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
68736	ANDRES	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](#)  
 9 rows selected.

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

  **Live SQL**

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SQL Worksheet



Clear Find Actions Save Run

```
1 select * from globetechtb231
2 where TO_CHAR(HIRE_DATE, 'YYYY') = '1990';
```

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

[Download CSV](#)

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.

  **Live SQL**

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SQL Worksheet

Clear Find Actions Save Run

```
1 select * from globetechtb231
2 where (DEP_ID = 1001 OR DEP_ID= 2001) AND JOB_NAME = 'MANAGER';
```

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001

[Download CSV](#)  
2 rows selected.



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

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**SQL Worksheet**
Clear
Find
Actions
Save
Run

```

1 select * from globetechtb231
2 where TO_CHAR(HIRE_DATE,'MM')= '02' AND (SALARY >= 1001 AND SALARY <= 2000);

```

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

Download CSV  
2 rows selected.

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.

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**SQL Worksheet**
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Save
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```

1 select * from globetechtb231
2 where TO_CHAR(HIRE_DATE,'YYYY') != '1991';

```

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
68736	ANDRES	CLERK	67858	23-MAY-97	1200	-	2001
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001

Download CSV  
4 rows selected.

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

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**SQL Worksheet**
Clear
Find
Actions
Save
Run

```
1 select * from globetechtb231;
```

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	ANDRES	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.

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

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**SQL Worksheet**
Clear
Find
Actions
Save
Run





```
1 select EMP_NAME, JOB_NAME, 12*SALARY AS ANNUAL_SALARY, DEP_ID from globetechtb231
2 WHERE (JOB_NAME != 'ANALYST') AND 12*SALARY > 60000;
```






EMP_NAME	JOB_NAME	ANNUAL_SALARY	DEP_ID
KAYLING	PRESIDENT	72000	1001

Download CSV

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.

 **Live SQL**

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**SQL Worksheet**  Clear  Find **Actions**   Save **Run** 

```
1 SELECT * FROM GLOBETECHT8231
2 WHERE SALARY > 2750 AND JOB_NAME != 'MANAGER';
```

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001

[Download CSV](#)  
3 rows selected.