

## Assignment 2 June 2022

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ROLL NUMBER: DXC-262-AB-1233

BATCH: DXC-262-ANALYTICS-B12-AZURE

COMPANY: DXC TECHNOLOGY

EMPLOYEE DOMAIN: AZURE ANALYTICS

TRAINING UNDER: MANIPAL PRO LEARN

TRAINER NAME: MR. AJAY KUMAR

DATE OF SUBMISSION: 2 JUNE 2022

NO. OF CASES: 18

### PROBLEM STATEMENT:

CREATE TABLE AND WRITE QUERIES.

STEP 1: CREATE TABLE AND INSERT VALUES INTO THE TABLE

#### CREATE TABLE:

```
CREATE TABLE GLOBETECH (EMP_ID INT NOT NULL, EMP_NAME VARCHAR
(100) NOT NULL, JOB_NAME VARCHAR (100) NOT NULL, MANAGER_ID
INTEGER, HIRE_DATE DATE NOT NULL, SALARY NUMBER (10,2) NOT NULL,
COMMISSION NUMBER (10,2), DEP_ID INT NOT NULL, PRIMARY KEY(EMP_ID));
```

#### INSERTING VALUES:

INSERT INTO

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,HIRE_DATE,SALARY,DEP_ID)
```

```
VALUES(68319,'KAYLING','PRESIDENT',TO_DATE('1991-11-18','YYYY-MM-
DD'),6000.00,1001);
```

INSERT INTO

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALAR
Y,DEP_ID)
```

```
VALUES(66928,'BLAZE','MANAGER',68319,TO_DATE('1991-05-01','YYYY-MM-
DD'),2750.00,3001);
```

INSERT INTO

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALAR
Y,DEP_ID)
```

```
VALUES(67832,'CLARE','MANAGER',68319,TO_DATE('1991-06-09','YYYY-MM-DD'),2550.00,1001);
```

```
INSERT INTO
```

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,DEP_ID)
```

```
VALUES(65646,'JONAS','MANAGER',68319,TO_DATE('1991-04-02','YYYY-MM-DD'),2957.00,2001);
```

```
INSERT INTO
```

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,DEP_ID)
```

```
VALUES(67858,'SCARLET','ANALYST',65646,TO_DATE('1997-04-19','YYYY-MM-DD'),3100.00,2001);
```

```
INSERT INTO
```

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,COMMISSION,DEP_ID)
```

```
VALUES(68454,'TUCKER','SALESMAN',66928,TO_DATE('1991-09-08','YYYY-MM-DD'),1600.00,0.00,3001);
```

```
INSERT INTO
```

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,COMMISSION,DEP_ID)
```

```
VALUES(66564,'MADDEN','SALESMAN',66928,TO_DATE('1991-09-28','YYYY-MM-DD'),1350.00,1500.00,3001);
```

```
INSERT INTO
```

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,COMMISSION,DEP_ID)
```

```
VALUES(64989,'ADELYN','SALESMAN',66928,TO_DATE('1991-02-20','YYYY-MM-DD'),1700.00,400.00,3001);
```

```
INSERT INTO
```

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,DEP_ID)
```

```
VALUES(63679,'SANDRINE','CLERK',69062,TO_DATE('1990-12-18','YYYY-MM-DD'),900.00,2001);
```

```
INSERT INTO
```

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,DEP_ID)
```

```
VALUES(69062,'FRANK','ANALYST',65646,TO_DATE('1991-12-03','YYYY-MM-DD'),3100.00,2001);
```

```
INSERT INTO
```

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,COMMISSION,DEP_ID)
```

```
VALUES(65271,'WADE','SALESMAN',66928,TO_DATE('1991-02-22','YYYY-MM-DD'),1350.00,600.00,3001);
```

```
INSERT INTO
```

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,DEP_ID)
```

```
VALUES(69324,'MARKER','CLERK',67832,TO_DATE('1992-01-23','YYYY-MM-DD'),1400.00,1001);
```

```
INSERT INTO
```

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,DEP_ID)
```

```
VALUES(69000,'JULIUS','CLERK',66928,TO_DATE('1991-12-03','YYYY-MM-DD'),1050.00,3001);
```

```
INSERT INTO
```

```
GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,DEP_ID)
```

```
VALUES(68736,'ADNRES','CLERK',67858,TO_DATE('1997-05-23','YYYY-MM-DD'),1200.00,2001);
```

⇒ VIEWING THE TABLE CONTENT USING THE QUERY:

**SELECT \* FROM GLOBETECH;**

**OUTPUT:**

The screenshot shows the Oracle Live SQL interface. The query editor contains the query: `SELECT * FROM GLOBETECH;`. The results are displayed in a table with 14 rows and 8 columns: EMP\_ID, EMP\_NAME, JOB\_NAME, MANAGER\_ID, HIRE\_DATE, SALARY, COMMISSION, and DEP\_ID. The table lists employees including KAYLING (President), BLAZE (Manager), CLARE (Manager), JONAS (Manager), SCARLET (Analyst), TUCKER (Salesman), HADDEN (Salesman), ADELIN (Salesman), SANDRINE (Clerk), FRANK (Analyst), WADE (Salesman), HARKER (Clerk), JULIUS (Clerk), and ADRES (Clerk). Below the table, it says "Download CSV" and "14 rows selected." The footer shows the Oracle Live SQL version (22.1.3) and the database version (19c Enterprise Edition).

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
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
66564	HADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
64989	ADELIN	SALESMAN	66928	20-FEB-91	1700	400	3001
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
69324	HARKER	CLERK	67832	23-JAN-92	1400	-	1001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001
68736	ADRES	CLERK	67858	23-MAY-97	1200	-	2001

## STEP 2: WRITE QUERIES ACCORDING TO CASES GIVEN

**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 GLOBETECH WHERE to\_char(hire\_date,'YYYY') = '1991' AND (dep\_id =3001 OR dep\_id =1001) ;**

The screenshot shows the Oracle Live SQL interface. The query editor contains the query: `SELECT * FROM GLOBETECH WHERE to_char(hire_date,'YYYY') = '1991' AND (dep_id =3001 OR dep_id =1001) ;`. The results are displayed in a table with 8 rows and 8 columns: EMP\_ID, EMP\_NAME, JOB\_NAME, MANAGER\_ID, HIRE\_DATE, SALARY, COMMISSION, and DEP\_ID. The table lists employees who were hired in 1991 and belong to department 3001 or 1001. Below the table, it says "Download CSV" and "8 rows selected." The footer shows the Oracle Live SQL version (22.1.3) and the database version (19c Enterprise Edition).

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
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
66564	HADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
64989	ADELIN	SALESMAN	66928	20-FEB-91	1700	400	3001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	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 GLOBETECH WHERE dep\_id=1001 OR dep\_id=2001;**

The screenshot shows the Oracle Live SQL interface. The query entered is `SELECT * FROM GLOBETECH WHERE dep_id=1001 OR dep_id=2001;`. The results are displayed in a table with 8 rows selected.

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
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001
68736	ADRIES	CLERK	67858	23-MAY-97	1200	-	2001

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 GLOBETECH WHERE job\_name='CLERK' AND dep\_id = 2001;**

The screenshot shows the Oracle Live SQL interface. The query entered is `SELECT * FROM GLOBETECH WHERE job_name='CLERK' AND dep_id = 2001;`. The results are displayed in a table with 2 rows selected.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
68736	ADRIES	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

**QUERY: SELECT \* FROM GLOBETECH WHERE job\_name IN ('CLERK','MANAGER');**

The screenshot shows the Oracle Live SQL interface. The query entered is: `SELECT * FROM GLOBETECH WHERE job_name IN ('CLERK','MANAGER');`. The results show 7 rows selected. The table has columns: EMP\_ID, EMP\_NAME, JOB\_NAME, MANAGER\_ID, HIRE\_DATE, SALARY, COMMISSION, and DEP\_ID.

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
69324	HARKER	CLERK	67832	23-JAN-92	1400	-	1001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001
68736	ADRES	CLERK	67858	23-MAY-97	1200	-	2001

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 GLOBETECH WHERE to\_char(hire\_date,'MONTH') NOT LIKE 'FEB%';**

The screenshot shows the Oracle Live SQL interface. The query entered is: `SELECT * FROM GLOBETECH WHERE to_char(hire_date,'MONTH') NOT LIKE 'FEB%';`. The results show 12 rows selected. The table has columns: EMP\_ID, EMP\_NAME, JOB\_NAME, MANAGER\_ID, HIRE\_DATE, SALARY, COMMISSION, and DEP\_ID.

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
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
69324	HARKER	CLERK	67832	23-JAN-92	1400	-	1001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001
68736	ADRES	CLERK	67858	23-MAY-97	1200	-	2001

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 GLOBETECH WHERE to_char(hire_date,'YYYY') = '1991';`

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `SELECT * FROM GLOBETECH WHERE to_char(hire_date,'YYYY') = '1991';`. The results table displays 10 rows of employee 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
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
64989	ADELVIN	SALESMAN	66928	20-FEB-91	1700	400	3001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
65271	MADE	SALESMAN	66928	22-FEB-91	1350	600	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

**QUERY:** `SELECT * FROM GLOBETECH WHERE to_char(hire_date,'mon-yyyy')='jun-1991'`

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `SELECT * FROM GLOBETECH WHERE to_char(hire_date,'mon-yyyy')='jun-1991'`. The results table displays 1 row of employee data.

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 GLOBETECH WHERE 12\*salary BETWEEN 24000 AND 50000;**

(Performed action for 12\*salary because in case salary range is annual)

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `SELECT * FROM GLOBETECH WHERE 12*salary BETWEEN 24000 AND 50000;`. The results table displays 5 rows of employee data.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEPT_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 GLOBETECH WHERE to\_char(hire\_date,'DD-MON-YY') IN ('01-MAY-91', '20-FEB-91', '03-DEC-91');**

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `SELECT * FROM GLOBETECH WHERE to_char(hire_date,'DD-MON-YY') IN ('01-MAY-91', '20-FEB-91', '03-DEC-91');`. The results table displays 4 rows of employee data.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEPT_ID
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
64989	ADELIN	SALESMAN	66928	20-FEB-91	1700	400	3001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
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

**QUERY: SELECT \* FROM GLOBETECH WHERE manager\_id IN (63679,68319,66564,69000);**

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `SELECT * FROM GLOBETECH WHERE manager_id IN (63679,68319,66564,69000);`. The results table displays 3 rows of employee 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

Download CSV  
3 rows selected.

**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 GLOBETECH WHERE hire\_date BETWEEN '01-JUL-91' AND '31-DEC-91';**

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `SELECT * FROM GLOBETECH WHERE hire_date BETWEEN '01-JUL-91' AND '31-DEC-91';`. The results table displays 5 rows of employee data.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1000	0	3001
66564	MADSEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001

Download CSV  
5 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

**QUERY: SELECT \* FROM GLOBETECH WHERE to\_char(hire\_date,'YYYY') BETWEEN '1990' AND '1999';**

The screenshot shows the Oracle Live SQL interface. The SQL query entered is: `SELECT * FROM GLOBETECH WHERE to_char(hire_date,'YYYY') BETWEEN '1990' AND '1999';`. The results table displays 14 rows of employee 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
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
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
69324	HARKER	CLERK	67832	23-JAN-92	1400	-	1001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001
68736	ADRES	CLERK	67858	23-MAY-97	1200	-	2001

Download CSV  
14 rows selected.

**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: SELECT \* FROM GLOBETECH WHERE job\_name = 'MANAGER' AND (dep\_id = 1001 OR dep\_id =2001);**

The screenshot shows the Oracle Live SQL interface. The SQL query entered is: `SELECT * FROM GLOBETECH WHERE job_name = 'MANAGER' AND (dep_id = 1001 OR dep_id =2001);`. The results table displays 2 rows of employee data.

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

**QUERY: SELECT \* FROM GLOBETECH WHERE to\_char(hire\_date,'MON') = 'FEB' AND salary BETWEEN 1000 AND 2000;**

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

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

The results table displays the following data:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
64980	ADELIN	SALESMAN	66928	20-FEB-91	1700	400	3001
65271	HADE	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.

**QUERY: SELECT \* FROM GLOBETECH WHERE to\_char(hire\_date,'YYYY-MM-DD') < ('1991-01-01') OR to\_char(hire\_date,'YYYY-MM-DD') > ('1991-12-31');**

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

```
1 SELECT * FROM GLOBETECH WHERE to_char(hire_date,'YYYY-MM-DD') < ('1991-01-01') OR to_char(hire_date,'YYYY-MM-DD') > ('1991-12-31');
```

The results table displays the following data:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
67858	SCARLET	ANALYST	65666	19-APR-97	3100	-	2001
63679	SANDRINE	CLERK	60062	18-DEC-90	900	-	2001
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001
68736	ADRES	CLERK	67858	23-MAY-97	1200	-	2001

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

**QUERY: Create department table:** CREATE TABLE department (DEP\_ID INT NOT NULL, DEP\_NAME VARCHAR (100) NOT NULL);

**Insert values in department table:**

INSERT INTO department(DEP\_ID,DEP\_NAME) VALUES(1001,'development');

INSERT INTO department(DEP\_ID,DEP\_NAME) VALUES(2001,'Operations');

INSERT INTO department(DEP\_ID,DEP\_NAME) VALUES(3001,'sales');

**VIEW THE TABLE CONTENT USING THE QUERY:**

**SELECT \* FROM department;**

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `SELECT * FROM department;`. The results are displayed in a table with two columns: DEP\_ID and DEP\_NAME. The data is as follows:

DEP_ID	DEP_NAME
1001	development
2001	Operations
3001	sales

Below the table, it says "Download CSV" and "3 rows selected." 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".

**Query to display case 48:** SELECT g.emp\_id, g.emp\_name, g.job\_name, g.manager\_id, g.hire\_date, g.salary, g.commission, g.dep\_id, d.dep\_name

**FROM GLOBETECH g, department d**

**WHERE g.dep\_id = d.dep\_id;**

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query: `SELECT g.emp_id, g.emp_name, g.job_name, g.manager_id, g.hire_date, g.salary, g.commission, g.dep_id, d.dep_name FROM GLOBETECH g, department d WHERE g.dep_id = d.dep_id;`. The results are displayed in a table with nine columns: EMP\_ID, EMP\_NAME, JOB\_NAME, MANAGER\_ID, HIRE\_DATE, SALARY, COMMISSION, DEP\_ID, and DEP\_NAME. The data is as follows:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID	DEP_NAME
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001	development
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001	sales
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001	development
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001	Operations
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001	Operations
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001	sales
66564	HADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001	sales
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001	sales
61679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001	Operations
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001	Operations
65271	NADE	SALESMAN	66928	22-FEB-91	1350	600	3001	sales
69324	HARKER	CLERK	67832	23-JAN-92	1400	-	1001	development
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001	sales
68736	ADRES	CLERK	67858	23-MAY-97	1200	-	2001	Operations

Below the table, it says "Download CSV" and "14 rows selected." 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".

**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 g.emp_name, g.job_name, (12*g.salary) "Annual Salary", g.dep_id, d.dep_name`

**FROM** `GLOBETECH g, department d`

**WHERE** `g.dep_id = d.dep_id AND (((12*g.salary) >= 60000) OR (g.job_name != 'ANALYST'));`

(missing grade part because I am confused in which context we have to make grade table)

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

```
1 SELECT g.emp_name, g.job_name, (12*g.salary) "Annual Salary", g.dep_id, d.dep_name
2 FROM GLOBETECH g, department d
3 WHERE g.dep_id = d.dep_id AND (((12*g.salary) >= 60000) OR (g.job_name != 'ANALYST'));
4
```

The results are displayed in a table with 5 columns: EMP\_NAME, JOB\_NAME, Annual Salary, DEP\_ID, and DEP\_NAME. There are 12 rows selected.

EMP_NAME	JOB_NAME	Annual Salary	DEP_ID	DEP_NAME
KAYLING	PRESIDENT	72000	1001	development
BLAZE	MANAGER	33600	3001	sales
CLARE	MANAGER	30600	1001	development
JONAS	MANAGER	35484	2001	Operations
TUCKER	SALESMAN	19200	3001	sales
MADDEN	SALESMAN	16200	3001	sales
ADELYN	SALESMAN	20400	3001	sales
SANDRINE	CLERK	10800	2001	Operations
WADE	SALESMAN	16200	3001	sales
MARKER	CLERK	10800	1001	development
JULIUS	CLERK	12600	3001	sales
ADRIES	CLERK	14400	2001	Operations

Download CSV  
12 rows selected.

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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 e.emp\_name, e.job\_name, e.manager\_id, e.salary, m.emp\_name  
"Manager", m.emp\_id, m.salary "Manager\_Salary"

**FROM** GLOBETECH e, GLOBETECH m

**WHERE** e.manager\_id = m.emp\_id AND e.salary > m.salary;

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

```
1 SELECT e.emp_name, e.job_name, e.manager_id, e.salary, m.emp_name "Manager", m.emp_id, m.salary "Manager_Salary"
2 FROM GLOBETECH e, GLOBETECH m
3 WHERE e.manager_id = m.emp_id AND e.salary > m.salary;
```

The results table shows 2 rows selected:

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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**THANK YOU!**