

## ASSIGNMENT 2

NAME – KONAKALLA AKHILA  
BATCH – DXC-262-ANALYTICS-B12-AZURE  
EMPLOYEE DOMAIN –AZURE ANALYTICS  
TRAINING UNDER – MANIPALPRO LEARN  
DATE OF SUBMISSION – 31ST MAY 2022

ROLL NUMBER –DXC-262-AB-1225  
COMPANY – DXC TECHNOLOGY  
TRAINER NAME – MR. AJAY KUMAR  
NO.OF CASES: 12

### PROBLEM STATEMENT:

CREATE A TABLE AND WRITE THE QUERIES.

**STEP 1:** CREATE A TABLE AND INSERT VALUES INTO THE TABLE.

### CREATE TABLE:

```
CREATE TABLE GLOBETECHTB231( 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
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,C
OMMISSION,DEP_ID)
VALUES(65271,'WADE','SALESMAN',66928,TO_DATE('1991-02-22','YYYY-MM-DD'),1350.00,6
00.00,3001);
```

```
INSERT INTO
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D
EP_ID)
VALUES(69324,'MARKER','CLERK',67832,TO_DATE('1992-01-23','YYYY-MM-DD'),1400.00,10
01);
```

```
INSERT INTO
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D
EP_ID)
VALUES(69000,'JULIUS','CLERK',66928,TO_DATE('1991-12-03','YYYY-MM-DD'),1050.00,3001
);
```

```
INSERT INTO
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D
EP_ID)
VALUES(68736,'ADNRES','CLERK',67858,TO_DATE('1997-05-23','YYYY-MM-DD'),1200.00,20
01);
```

```
INSERT INTO
GLOBETECHTB231(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
GLOBETECHTB231(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
GLOBETECHTB231(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
GLOBETECHTB231(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
GLOBETECHTB231(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
GLOBETECHTB231(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
GLOBETECHTB231(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

```
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,DEP_ID)
```

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

INSERT INTO

```
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,DEP_ID)
```

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

INSERT INTO

```
GLOBETECHTB231(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);
```

NOW VIEW THE TABLE CONTENT USE THE QUERY:

**SELECT \* FROM GLOBETECHTB231;**

**OUTPUT:**

## STEP 2: NOW WRITE THE QUERIES ACCORDING TO THE CASES GIVEN.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the query `SELECT * FROM GLOBETECHTB231;`. The output displays a table with 14 rows of employee data. The table has columns: EMP\_ID, EMP\_NAME, JOB\_NAME, MANAGER\_ID, HIRE\_DATE, SALARY, COMMISSION, and DEP\_ID. The data includes employees like MARKER, HADDEN, WADE, SCARLET, ADRIES, TUCKER, SANDRINE, FRANK, CLARE, BLAZE, ADELIN, JOHNS, JULIUS, and KAYLING.

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

Download CSV  
14 rows selected.

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

**QUERY:** `select "EMP_ID", "SALARY", "COMMISSION" from "GLOBETECHTB231";`

## OUTPUT:

The screenshot shows the Oracle Live SQL interface with a query executed. The query is: `select "EMP_ID", "SALARY", "COMMISSION" from "GLOBETECHTB231";`. The result is a table with 14 rows. Below the table, there is a "Download CSV" link and a note "14 rows selected."

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

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

**QUERY:** `select DISTINCT DEP_ID, JOB_NAME from "GLOBETECHTB231";`

## OUTPUT:

The screenshot shows the Oracle Live SQL interface with a query executed. The query is: `select DISTINCT DEP_ID, JOB_NAME from "GLOBETECHTB231";`. The result is a table with 9 rows. Below the table, there is a "Download CSV" link and a note "9 rows selected."

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

**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.

**QUERY:** `select * from "GLOBETECHTB231" WHERE DEP_ID NOT IN 2001;`

**OUTPUT:**

The screenshot shows the Oracle Live SQL interface. The SQL query entered is `select * from "GLOBETECHTB231" WHERE DEP_ID NOT IN 2001;`. The output displays a table with 9 rows of employee data, excluding those in department 2001.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
69324	PARKER	CLERK	67832	23-JAN-92	1400	-	1001
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	6000	3001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001
68319	KAYLING	PRESIDENT	-	10-NOV-91	6000	-	1001

Download CSV  
9 rows selected.

**CASE 12:** From the following table, write a SQL query to find those employees who joined before 1991. Return complete information about the employees.

**QUERY:** `select * from "GLOBETECHTB231" WHERE HIRE_DATE<TO_DATE('1991-01-01','YYYY-MM-DD');`

**OUTPUT:**

The screenshot shows the Oracle Live SQL interface. The SQL query entered is `select * from "GLOBETECHTB231" WHERE HIRE_DATE<TO_DATE('1991-01-01','YYYY-MM-DD');`. The output displays a table with 1 row of employee data, showing an employee who joined before 1991.

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

**QUERY:** `select AVG(SALARY) from "GLOBETECHTB231" WHERE JOB_NAME='ANALYST';`

**OUTPUT:**

The screenshot shows the Oracle Live SQL interface. The query entered is `select AVG(SALARY) from "GLOBETECHTB231" WHERE JOB_NAME='ANALYST';`. The result is displayed as a single row with the value 3100.

AVG(SALARY)
3100

Download CSV

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

**QUERY:** `select * from "GLOBETECHTB231" WHERE EMP_NAME='BLAZE';`

**OUTPUT:**

The screenshot shows the Oracle Live SQL interface. The query entered is `select * from "GLOBETECHTB231" WHERE EMP_NAME='BLAZE';`. The result is displayed as a single row with the following details:

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

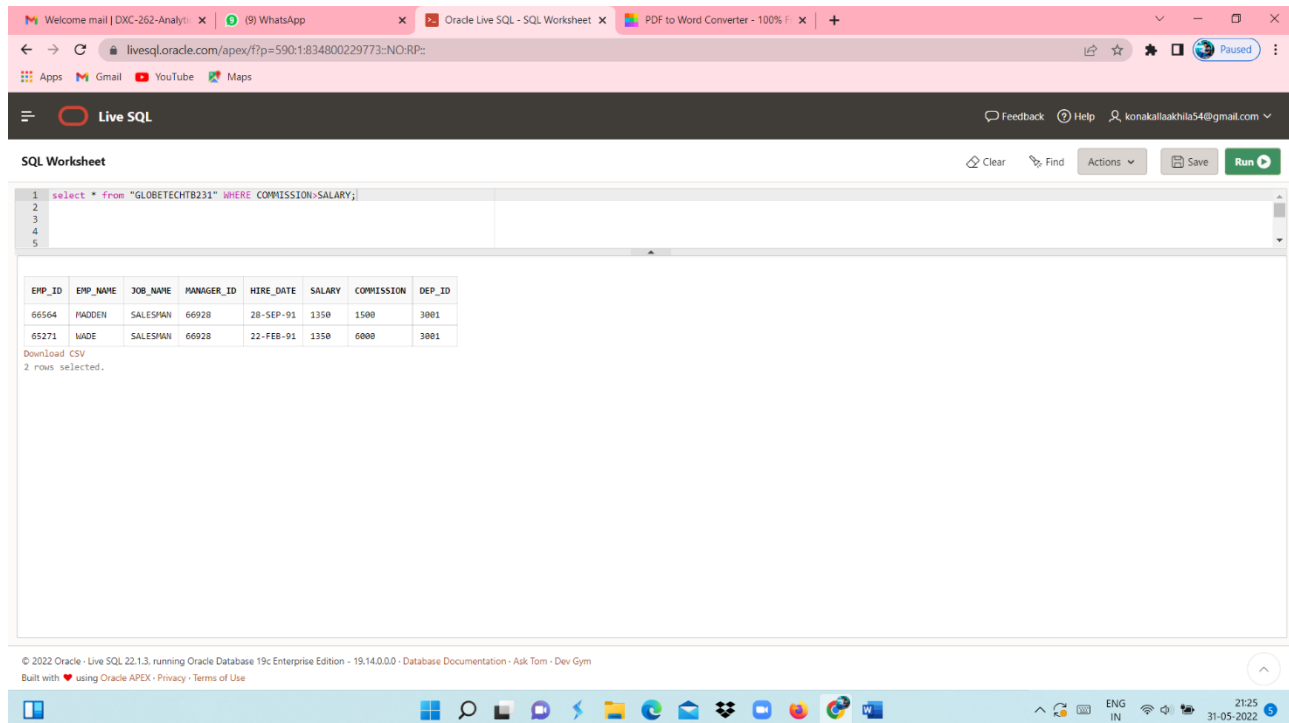
Download CSV

© 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 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.

**QUERY:** `select * from "GLOBETECHTB231" WHERE COMMISSION>SALARY;`

**OUTPUT:**



SQL Worksheet

```
1 select * from "GLOBETECHTB231" WHERE COMMISSION>SALARY;
```

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
65271	MADE	SALESMAN	66928	22-FEB-91	1350	6000	3001

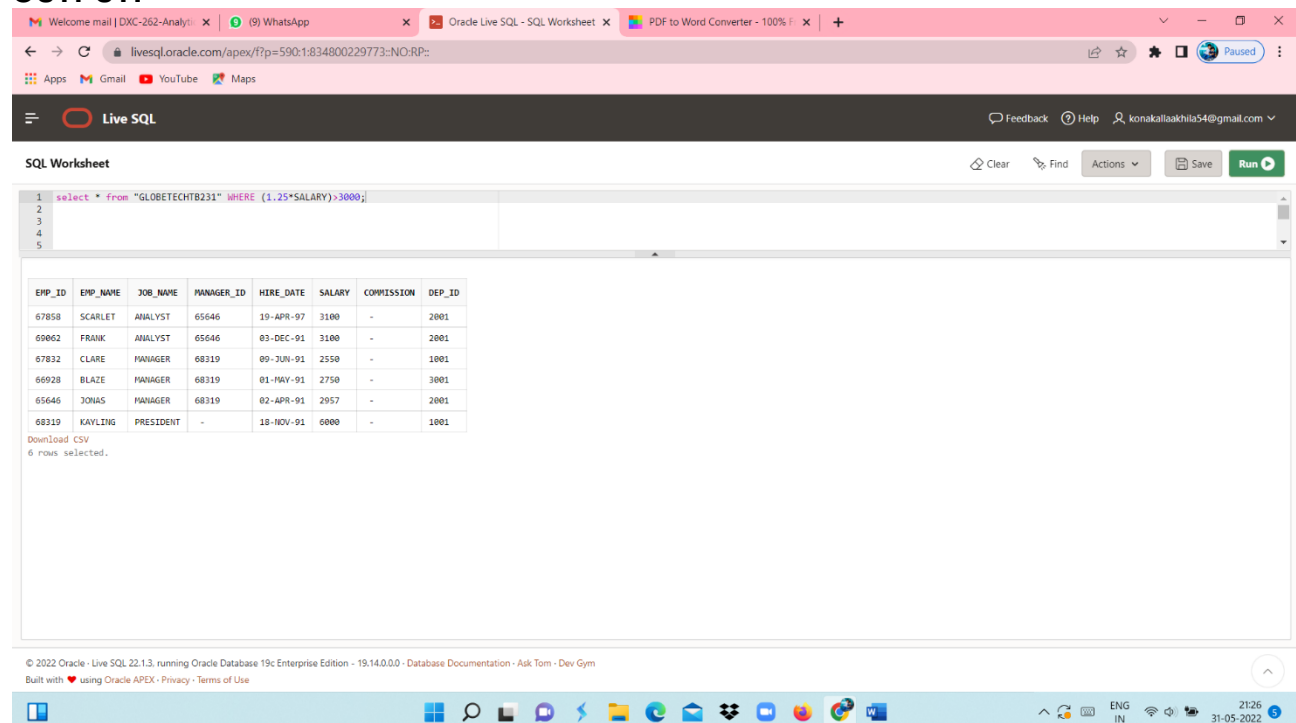
Download CSV  
2 rows selected.

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

**QUERY:** `select * from "GLOBETECHTB231" WHERE (1.25*SALARY)>3000;`

**OUTPUT:**



SQL Worksheet

```
1 select * from "GLOBETECHTB231" WHERE (1.25*SALARY)>3000;
```

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
68319	KAYLING	PRESIDENT	-	10-NOV-91	6000	-	1001

Download CSV  
6 rows selected.

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

**QUERY:** `select EMP_NAME from "GLOBETECB231" WHERE LENGTH(EMP_NAME)=6;`

**OUTPUT:**

The screenshot shows the Oracle Live SQL interface. The query entered is `select EMP_NAME from "GLOBETECB231" WHERE LENGTH(EMP_NAME)=6;`. The output displays a table with 6 rows selected, listing employee names: MARKER, MADDOEN, ADRIES, TUCKER, ADELIN, and JULIUS. Below the table, there is a link to 'Download CSV'.

EMP_NAME
MARKER
MADDOEN
ADRIES
TUCKER
ADELIN
JULIUS

Download CSV  
6 rows selected.

**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.

**QUERY:** `select * from "GLOBETECB231" WHERE TO_CHAR(HIRE_DATE,'MM')='01';`

**OUTPUT:**



Welcome mail | DXC-262-Analyt... (9) WhatsApp Oracle Live SQL - SQL Worksheet PDF to Word Converter - 100% | +

livesql.oracle.com/apex/?p=590:1834800229773::NO:RP::

Apps Gmail YouTube Maps

Live SQL Feedback Help konakallaakshila54@gmail.com

SQL Worksheet Clear Find Actions Save Run

1 select \* from "GLOBETECHT8231" WHERE TO\_CHAR(HIRE\_DATE, 'MM') = '01';

2

3

4

5

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEPT_ID
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001

Download CSV

© 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

21:27  
31-05-2022



**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'.

**QUERY:** `select e.emp_name || ' works for ' || m.emp_name from GLOBETECB231 E,GLOBETECB231 M WHERE e.manager_id = m.emp_id;`

**OUTPUT:**

The screenshot shows the Oracle Live SQL interface. The SQL query is entered in the editor: `select e.emp_name || ' works for ' || m.emp_name from GLOBETECB231 E,GLOBETECB231 M WHERE e.manager_id = m.emp_id;`. The output is displayed in a table with 13 rows. Below the table, there is a 'Download CSV' link and the text '13 rows selected.'.

E_EMP_NAME    'WORKS FOR'    M_EMP_NAME
ADRIEN works for SCARLET
SANDRINE works for FRANK
MARKEE works for CLARE
MADDEN works for BLAZE
NADE works for BLAZE
TUCKER works for BLAZE
ADELYN works for BLAZE
JULIUS works for BLAZE
SCARLET works for JONAS
FRANK works for JONAS
CLARE works for KAYLING
BLAZE works for KAYLING
JONAS works for KAYLING

Download CSV  
13 rows selected.

**CASE 20:** From the following table, write a SQL query to find those employees whose designation is 'CLERK'. Return complete information about the employees.

**QUERY:** `select * from GLOBETECB231 WHERE JOB_NAME='CLERK';`

**OUTPUT:**

Welcome mail | DXC-262-Analyt... | (9) WhatsApp | Oracle Live SQL - SQL Worksheet | PDF to Word Converter - 100% F... | +

livesql.oracle.com/apex/f?p=590:1:834800229773:NO:RP::

Apps | Gmail | YouTube | Maps

Live SQL

Feedback | Help | konakallaakhila54@gmail.com

SQL Worksheet

Clear | Find | Actions | Save | Run

1 select \* from GLOBETECHTB231 WHERE JOB\_NAME='CLERK';

2

3

4

5

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

Download CSV  
4 rows selected.

© 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

Windows Taskbar

System Tray