ASSIGNMENT 3

NAME – JYOTHI CHANDANA VOLETI ROLL NUMBER – DXC-262-AB-1218
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 – 1ST JUNE 2022 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);
```

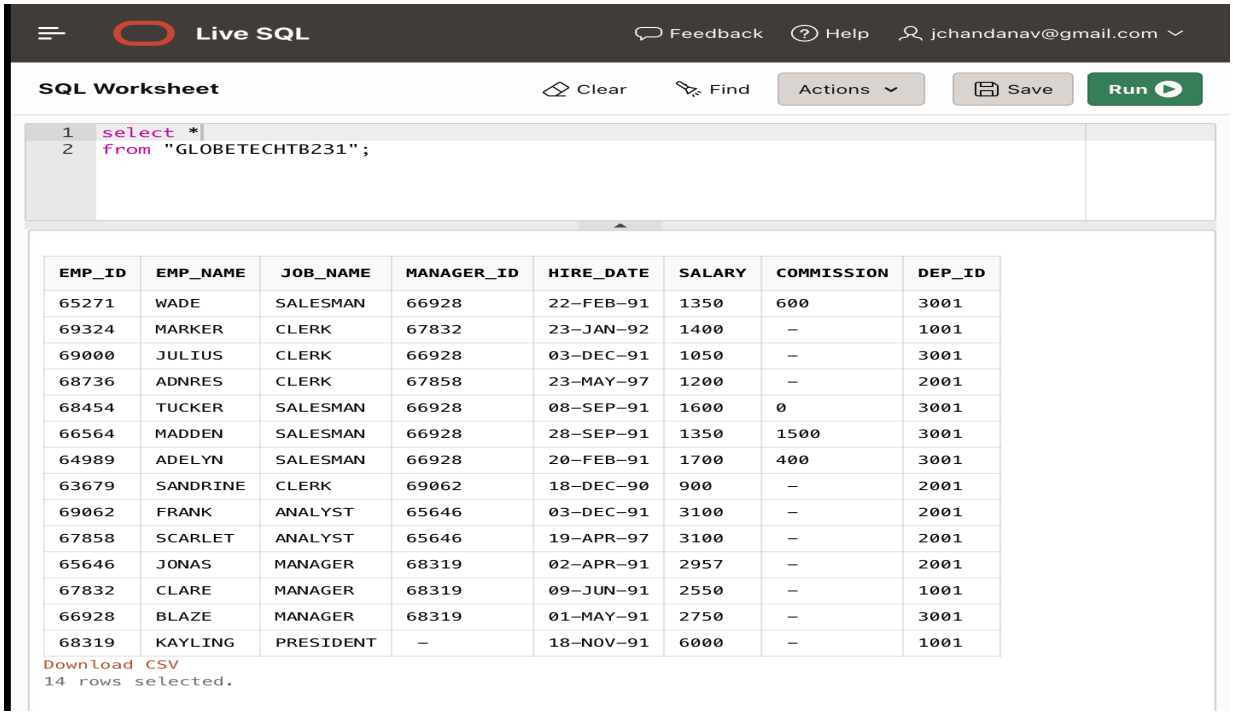
```
INSERT INTO
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,C
OMMISSION,DEP_ID)
VALUES(68454,'TUCKER','SALESMAN',66928,TO_DATE('1991-09-08','YYYY-MM-DD'),1600.0
0,0.00,3001);

INSERT INTO
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,C
OMMISSION,DEP_ID)
VALUES(66564,'MADDEN','SALESMAN',66928,TO_DATE('1991-09-28','YYYY-MM-DD'),1350.0
0,1500.00,3001);

INSERT INTO
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,C
OMMISSION,DEP_ID)
VALUES(64989,'ADELYN','SALESMAN',66928,TO_DATE('1991-02-20','YYYY-MM-DD'),1700.0
0,400.00,3001);

INSERT INTO
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D
EP_ID)
VALUES(63679,'SANDRINE','CLERK',69062,TO_DATE('1990-12-18','YYYY-MM-DD'),900.00,20
01);

INSERT INTO
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D
EP_ID)
VALUES(69062,'FRANK','ANALYST',65646,TO_DATE('1991-12-03','YYYY-MM-DD'),3100.00,20
01);

INSERT INTO
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D
EP_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,D
EP_ID)
VALUES(65646,'JONAS','MANAGER',68319,TO_DATE('1991-04-02','YYYY-MM-DD'),2957.00,2
001);
```

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 TO VIEW THE TABLE CONTENT, USE THE QUERY:
SELECT * FROM GLOBETECHTB231;
OUTPUT:

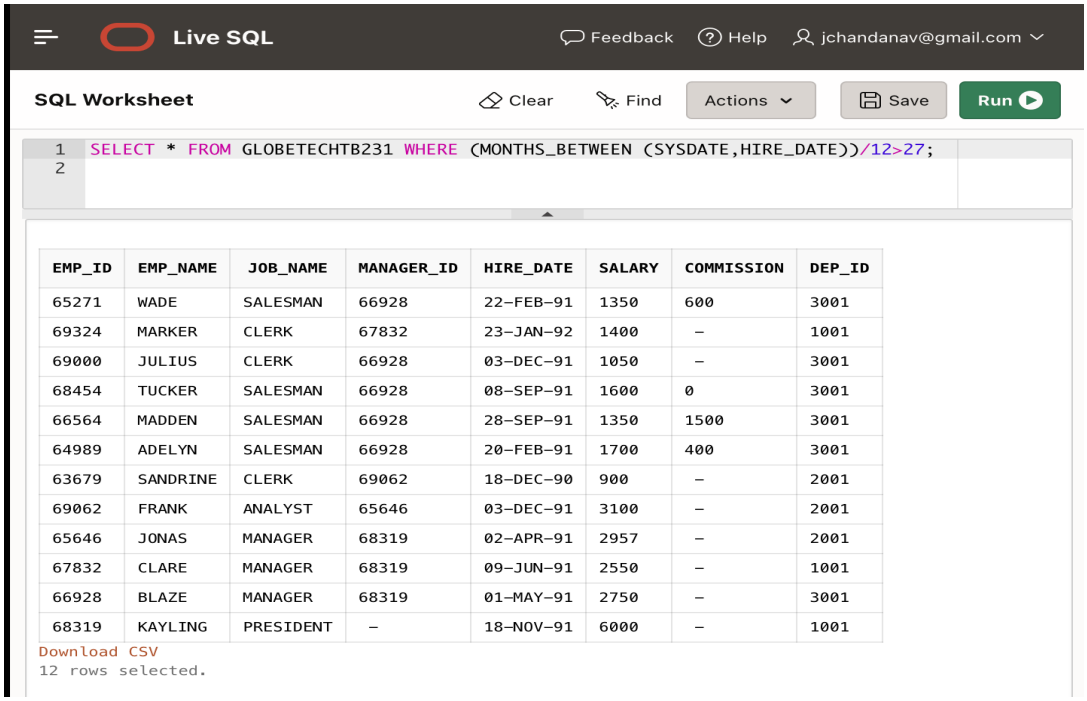


EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
69324	MARKER	CLERK	67832	23-JAN-92	1400	–	1001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	–	3001
68736	ADNRES	CLERK	67858	23-MAY-97	1200	–	2001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	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
67858	SCARLET	ANALYST	65646	19-APR-97	3100	–	2001
65646	JONAS	MANAGER	68319	02-APR-91	2957	–	2001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	–	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	–	3001
68319	KAYLING	PRESIDENT	–	18-NOV-91	6000	–	1001

Download CSV
14 rows selected.

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

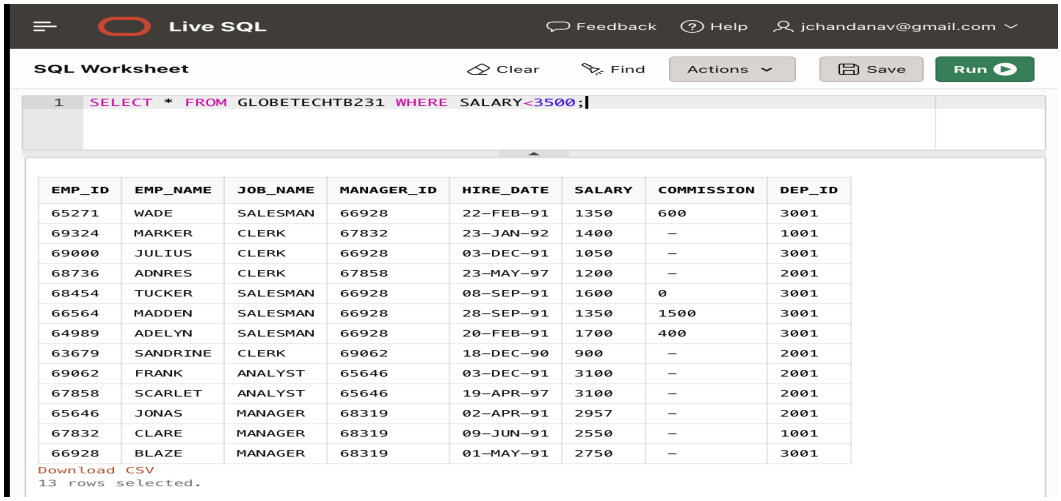
CASE 21: From the following table, write a SQL query to find those employees whose experience is more than 27 years. Return complete information about the employees.
QUERY: SELECT * FROM GLOBETECHTB231 WHERE (MONTHS_BETWEEN (SYSDATE,HIRE_DATE))/12>27;
OUTPUT:



EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001
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
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001

Download CSV
12 rows selected.

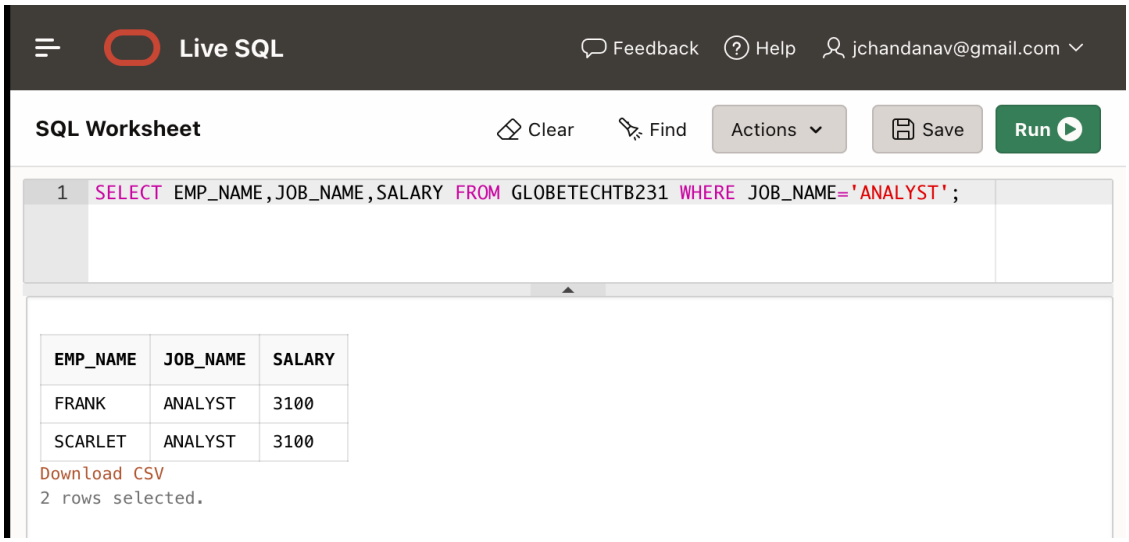
CASE 22: From the following table, write a SQL query to find those employees whose salaries are less than 3500. Return complete information about the employees.
QUERY: SELECT * FROM GLOBETECHTB231 WHERE SALARY<3500;
OUTPUT:



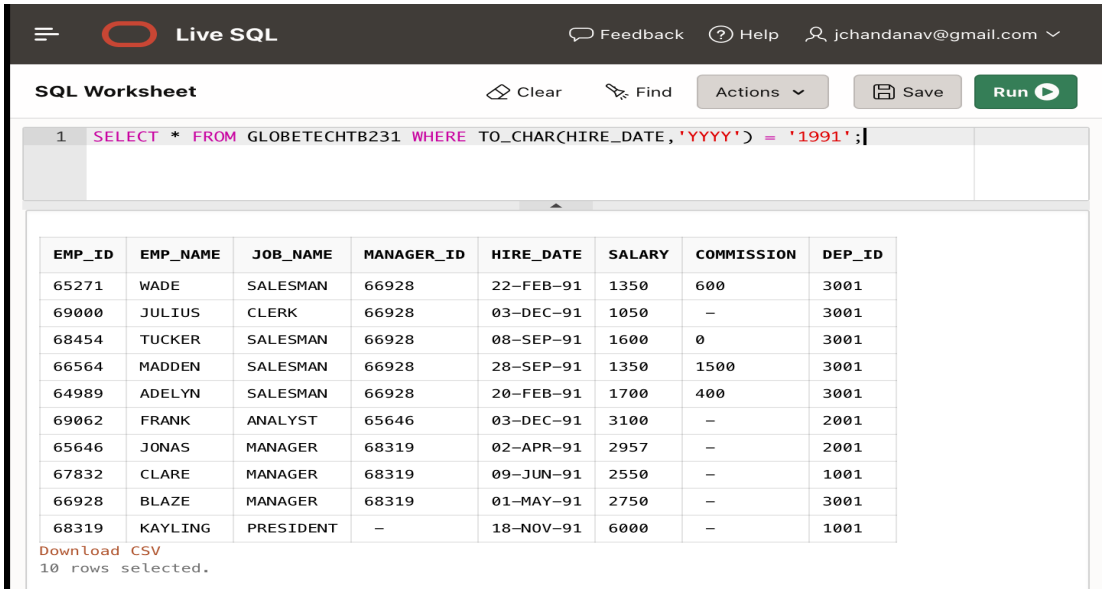
EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001
68736	ADNRES	CLERK	67858	23-MAY-97	1200	-	2001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	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
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001

Download CSV
13 rows selected.

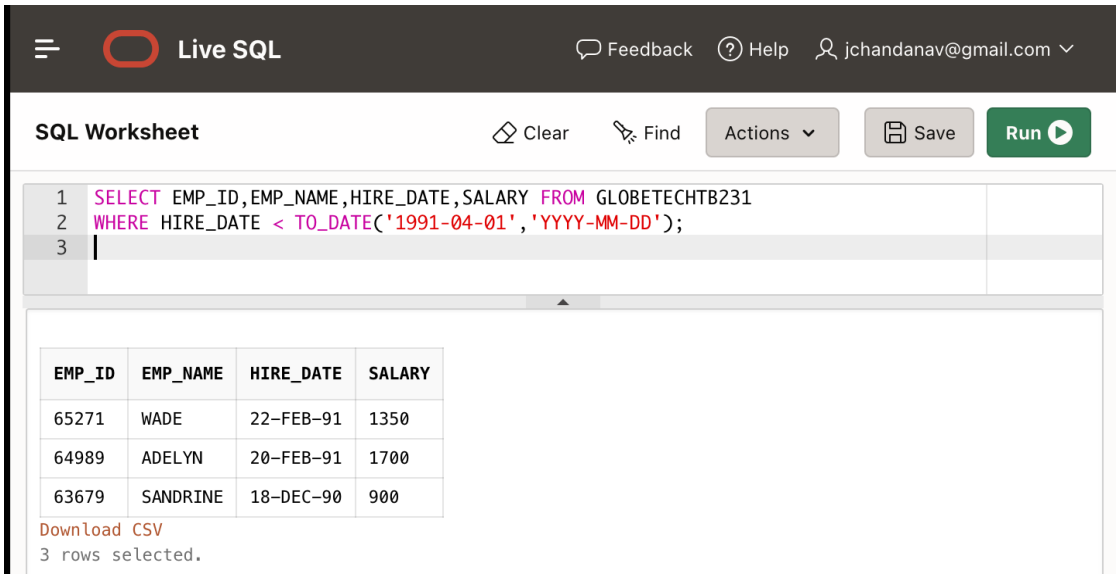
CASE 23: From the following table, write a SQL query to find the employee whose designation is ‘ANALYST’. Return employee name, job name and salary.
QUERY: SELECT EMP_NAME,JOB_NAME,SALARY FROM GLOBETECHTB231 WHERE JOB_NAME='ANALYST';
OUTPUT:



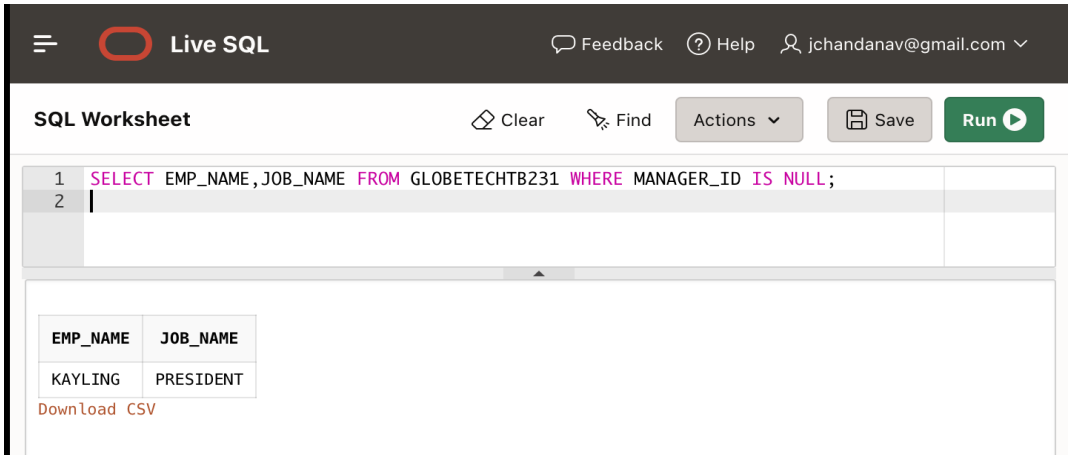
CASE 24: From the following table, write a SQL query to find those employees who have joined in the year 1991. Return complete information about the employees.
QUERY: SELECT * FROM GLOBETECHTB231 WHERE TO_CHAR(HIRE_DATE,'YYYY') = '1991';
OUTPUT:



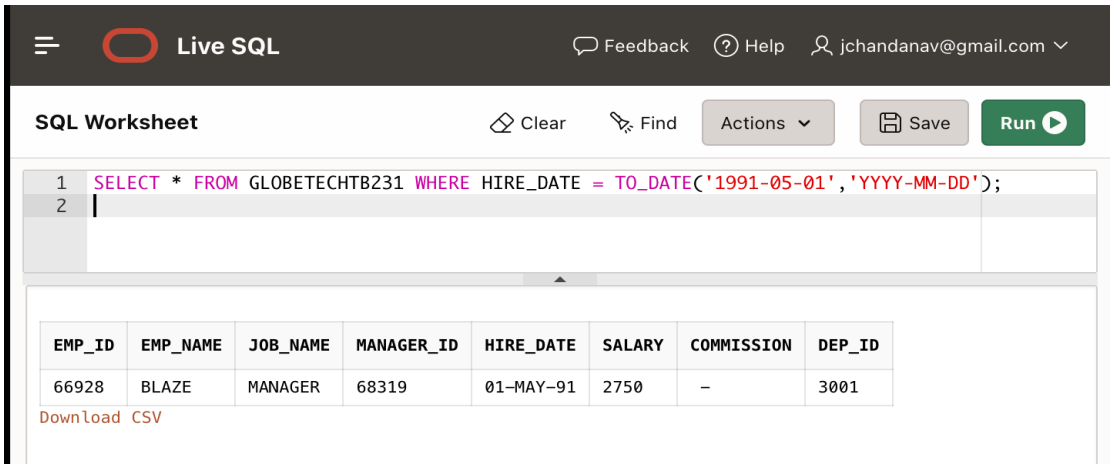
CASE 25: From the following table, write a SQL query to find those employees who joined before 1st April 1991. Return employee ID, employee name, hire date and salary.
QUERY: SELECT EMP_ID,EMP_NAME,HIRE_DATE,SALARY FROM GLOBETECHTB231 WHERE HIRE_DATE < TO_DATE('1991-04-01','YYYY-MM-DD');
OUTPUT:



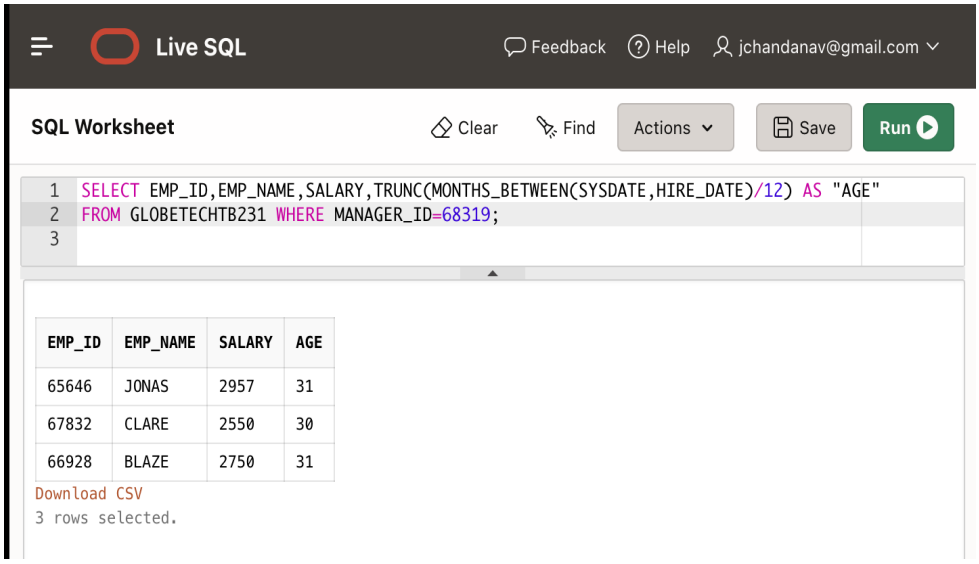
CASE 26: From the following table, write a SQL query to find those employees who are not working under a manager. Return employee name, job name.
QUERY: SELECT EMP_NAME,JOB_NAME FROM GLOBETECHTB231 WHERE MANAGER_ID IS NULL;
OUTPUT:



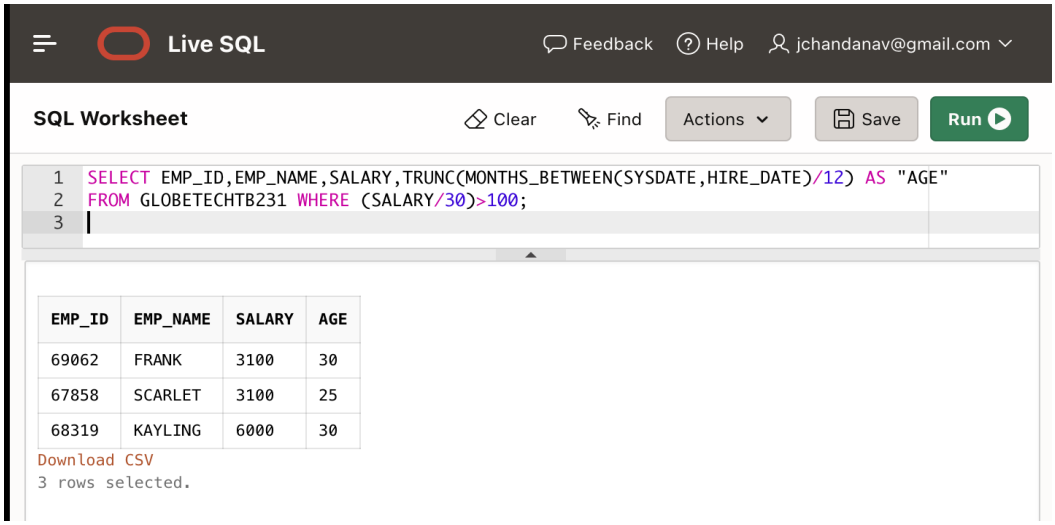
CASE 27: From the following table, write a SQL query to find those employees who joined on 1st May 91. Return complete information about the employees.
QUERY: SELECT * FROM GLOBETECHTB231 WHERE HIRE_DATE = TO_DATE('1991-05-01','YYYY-MM-DD');
OUTPUT:



CASE 28: From the following table, write a SQL query to find those employees working under the manager whose ID is 68319. Return employee ID, employee name, salary, and age.
QUERY: SELECT EMP_ID,EMP_NAME,SALARY,TRUNC(MONTHS_BETWEEN(SYSDATE,HIRE_DATE)/12) AS "AGE" FROM GLOBETECHTB231 WHERE MANAGER_ID=68319;
OUTPUT:

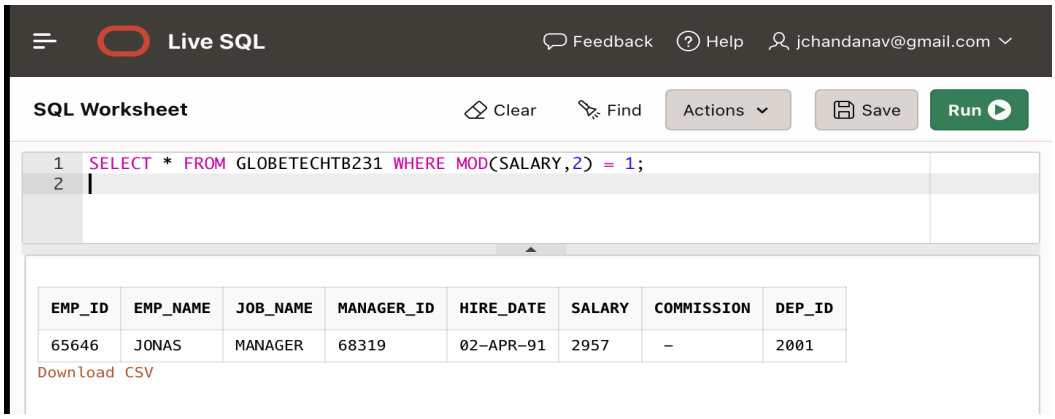


CASE 29: From the following table, write a SQL query to find those employees who earn more than 100 as daily salary. Return employee ID, employee name, salary, and age.
QUERY: SELECT EMP_ID,EMP_NAME,SALARY,TRUNC(MONTHS_BETWEEN(SYSDATE,HIRE_DATE)/12) AS "AGE" FROM GLOBETECHTB231 WHERE (SALARY/30)>100;
OUTPUT:

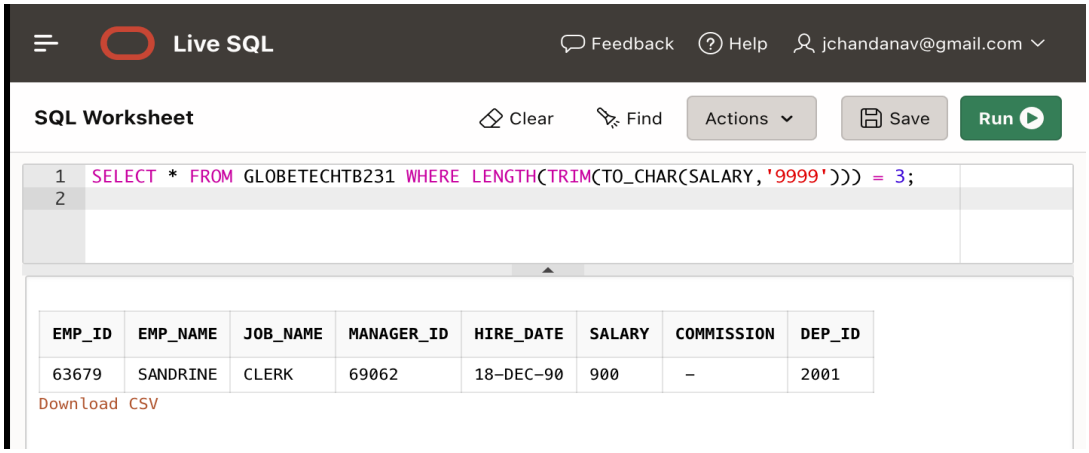


CASE 30: From the following table, write a SQL query to find those employees who retired after 31-Dec-99, completion of 8 years of service period. Return employee name.
QUERY: SELECT EMP_NAME FROM GLOBETECHTB231 WHERE HIRE_DATE>TO_DATE('1992-01-01','YYYY-MM-DD')
OUTPUT:

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.
QUERY: SELECT * FROM GLOBETECHTB231 WHERE MOD(SALARY,2) = 1;
OUTPUT:



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.
QUERY: SELECT * FROM GLOBETECHTB231 WHERE LENGTH(TRIM(TO_CHAR(SALARY,'9999'))) = 3;
OUTPUT:



CONCLUSION: IN CASE 28, AS DOB IS NOT INCLUDED IN THE TABLE WE COULD NOT RETURN THE AGE OF THE EMPLOYEE SO I HAVE MENTIONED HIS EXPERIENCE AS HIS AGE. REMAINING ALL THE CASES WERE DONE UPTO MY KNOWLEDGE.