ASSIGNMENT 2

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 – 31ST MAY 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);
```

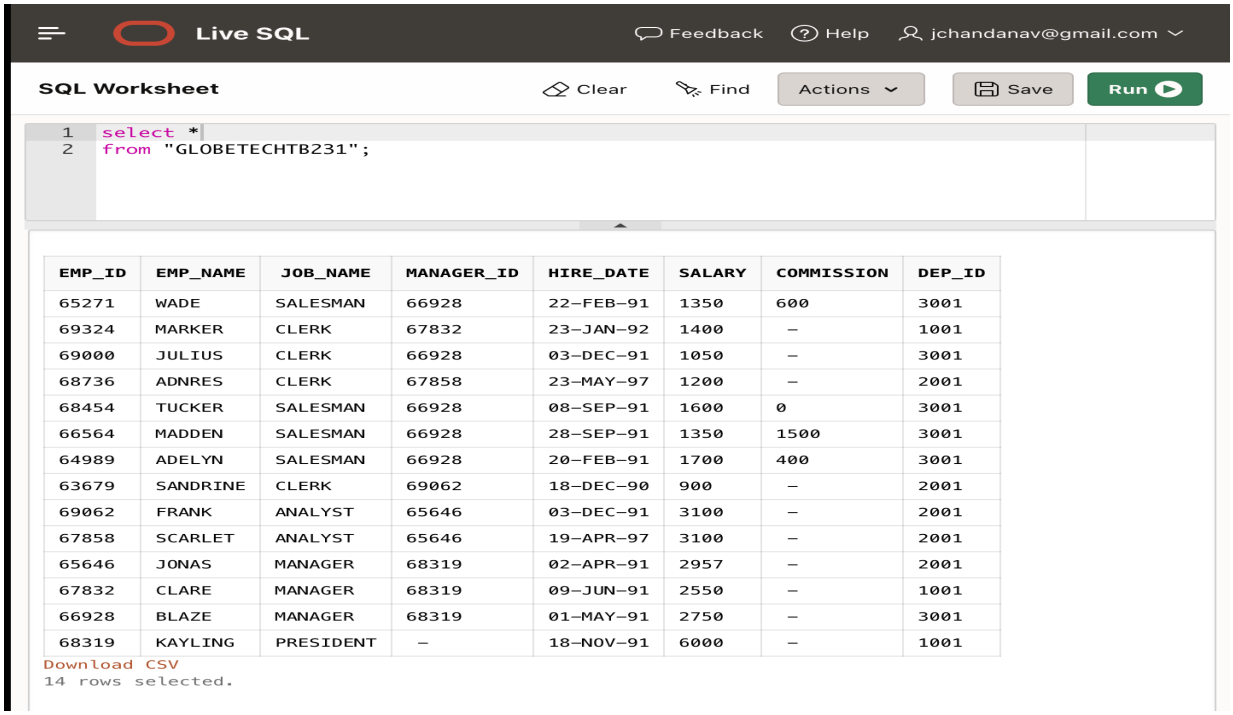
```
INSERT INTO
GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,C
OMMISSION,DEP_ID)
VALUES(68454,'TUCKER','SALESMAN',66928,TO_DATE('1991-09-08','YYYY-MM-DD'),1600.0
0,0.00,3001);

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



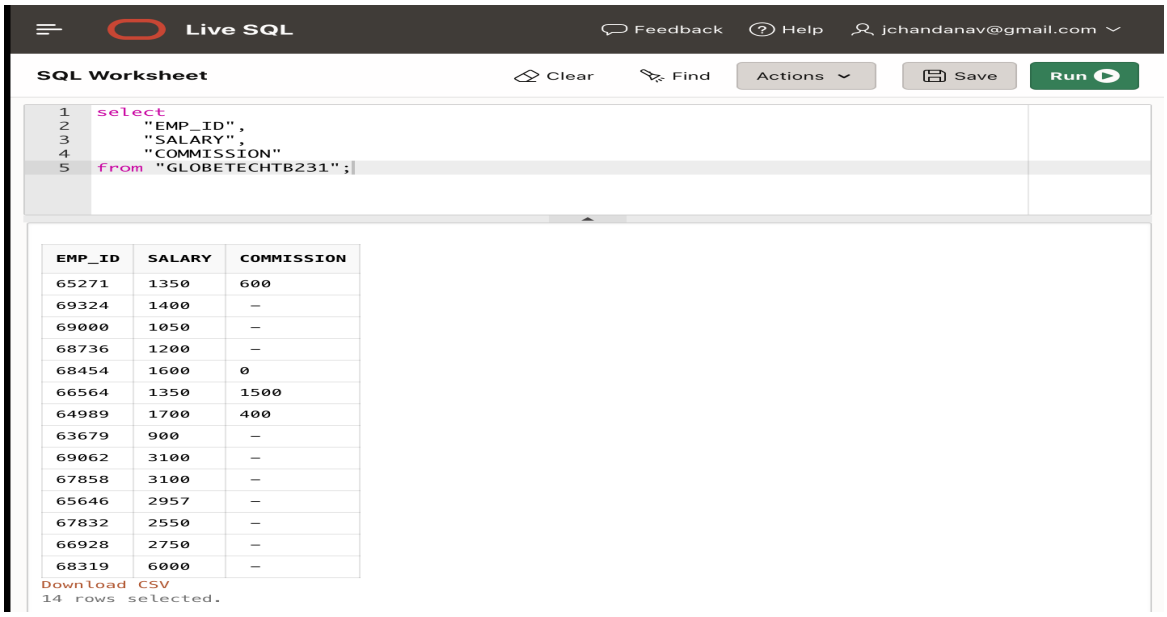
EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
69324	MARKER	CLERK	67832	23-JAN-92	1400	–	1001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	–	3001
68736	ADNRES	CLERK	67858	23-MAY-97	1200	–	2001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	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 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";

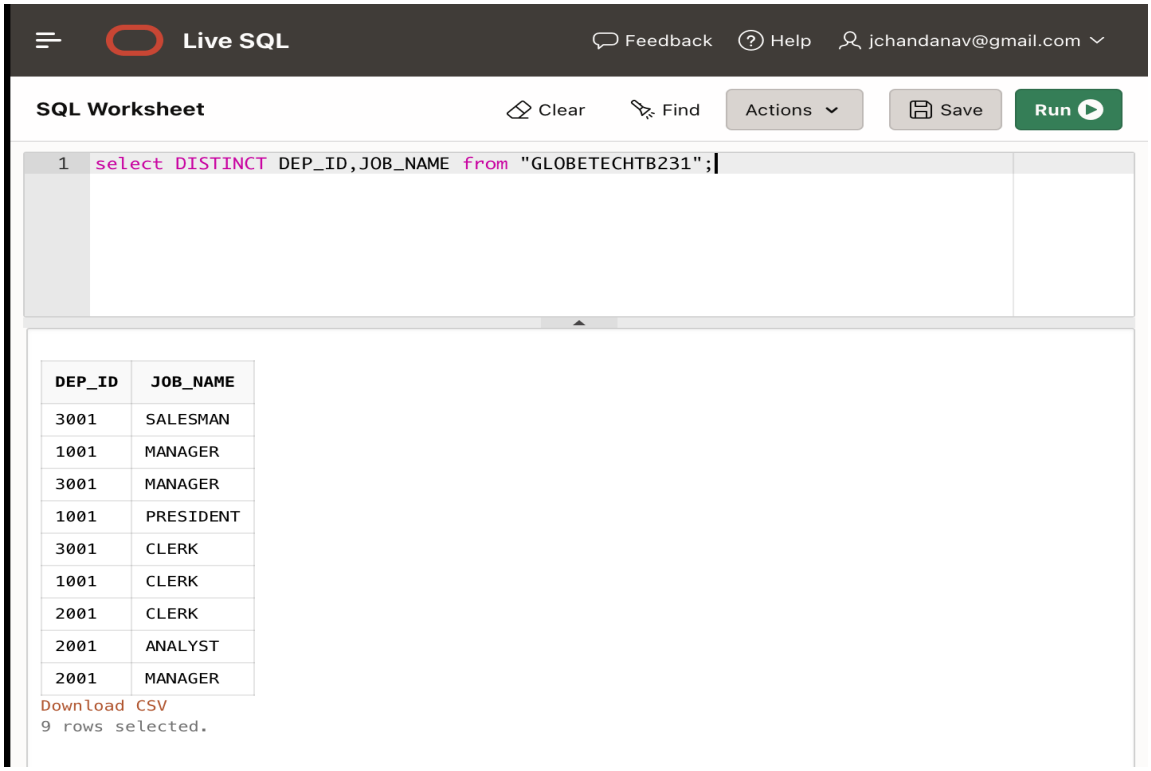
OUTPUT:



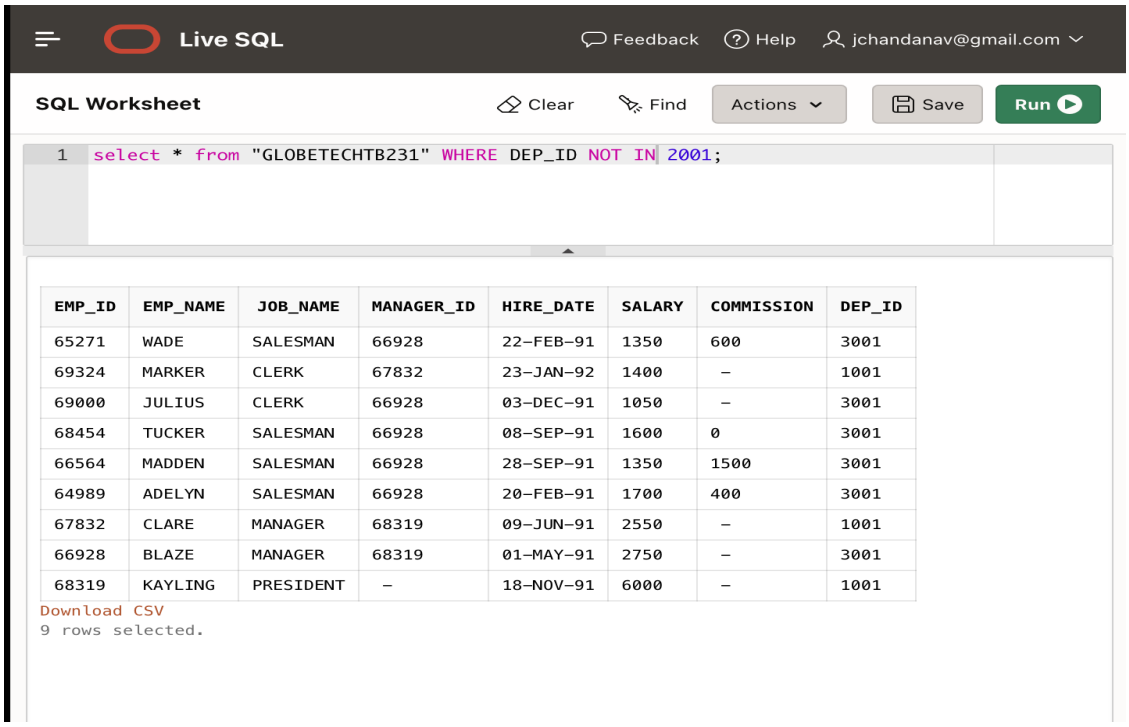
CASE 10: From the following table, write a SQL query to find the unique department with jobs. Return department ID, Job name.

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

OUTPUT:



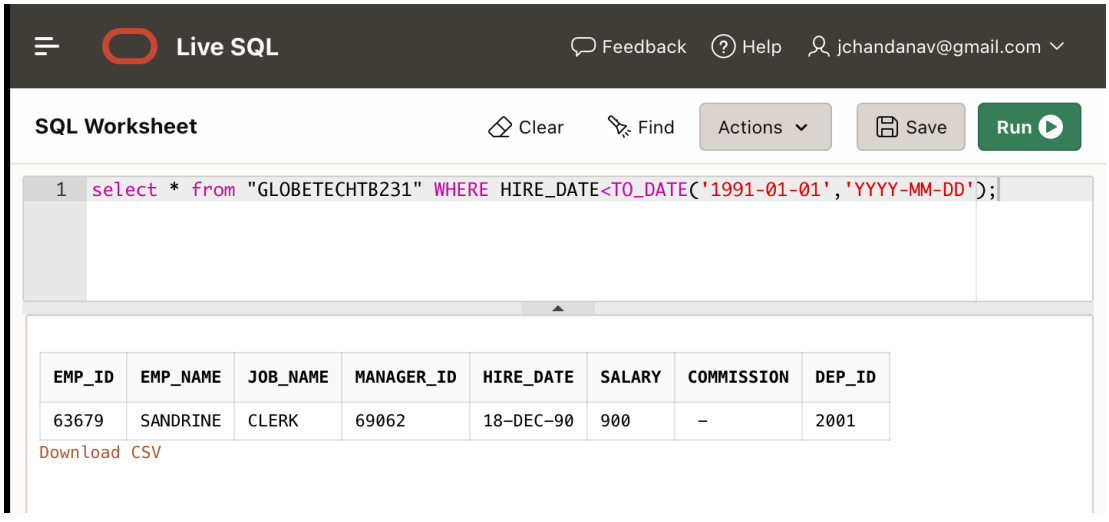
CASE 11: From the following table, write a SQL query to find those employees who do not belong to the department 2001. Return complete information about the employees.
QUERY: select * from "GLOBETECHTB231" WHERE DEP_ID NOT IN 2001;
OUTPUT:



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
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
9 rows selected.

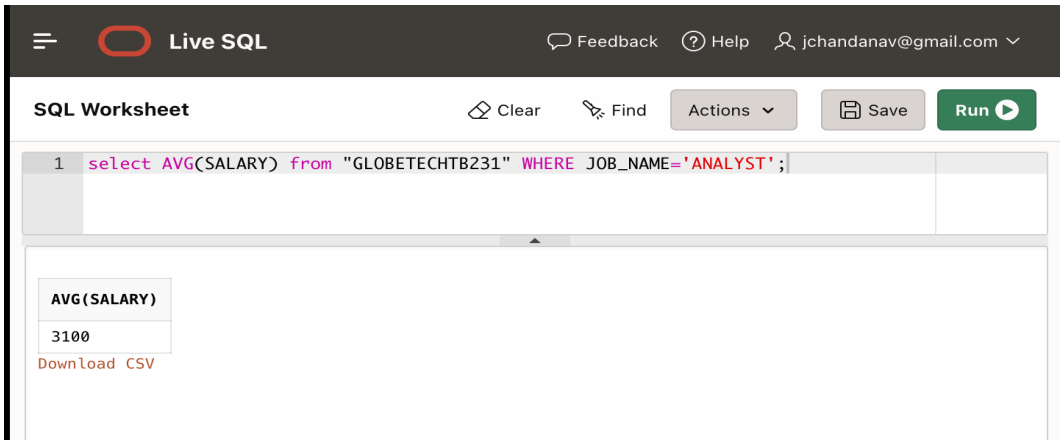
CASE 12: From the following table, write a SQL query to find those employees who joined before 1991. Return complete information about the employees.
QUERY: select * from "GLOBETECHTB231" WHERE HIRE_DATE<TO_DATE('1991-01-01','YYYY-MM-DD');
OUTPUT:



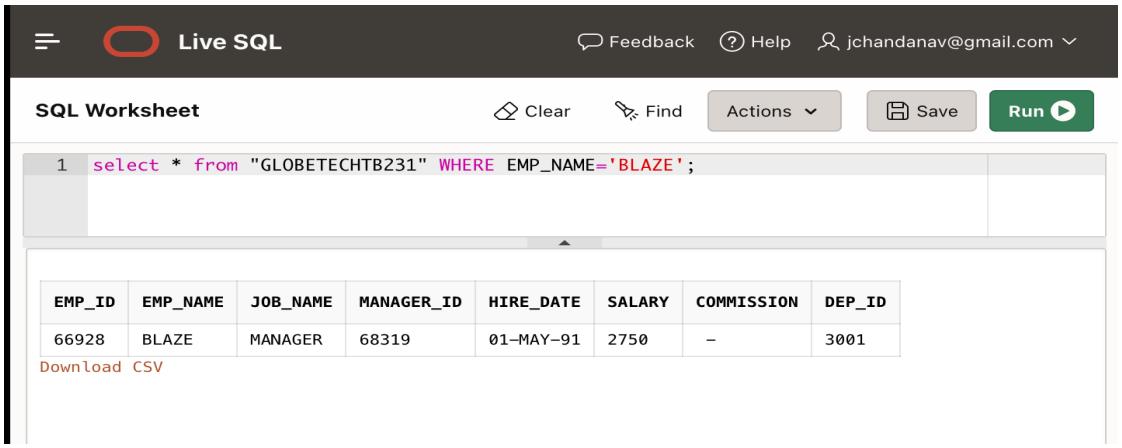
EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001

Download CSV

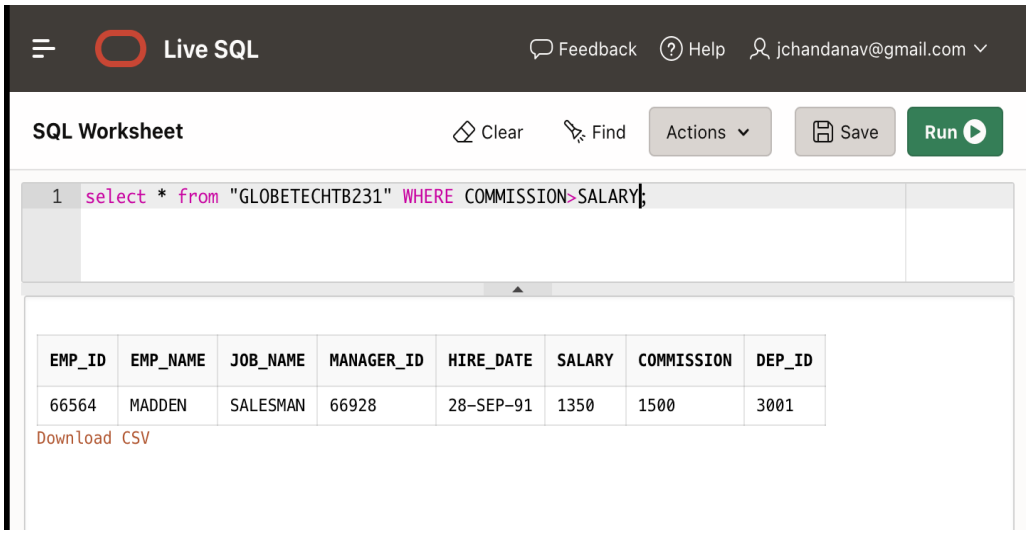
CASE 13: From the following table, write a SQL query to compute the average salary of those employees who work as ‘ANALYST’. Return average salary.
QUERY: select AVG(SALARY) from "GLOBETECHTB231" WHERE JOB_NAME='ANALYST';
OUTPUT:



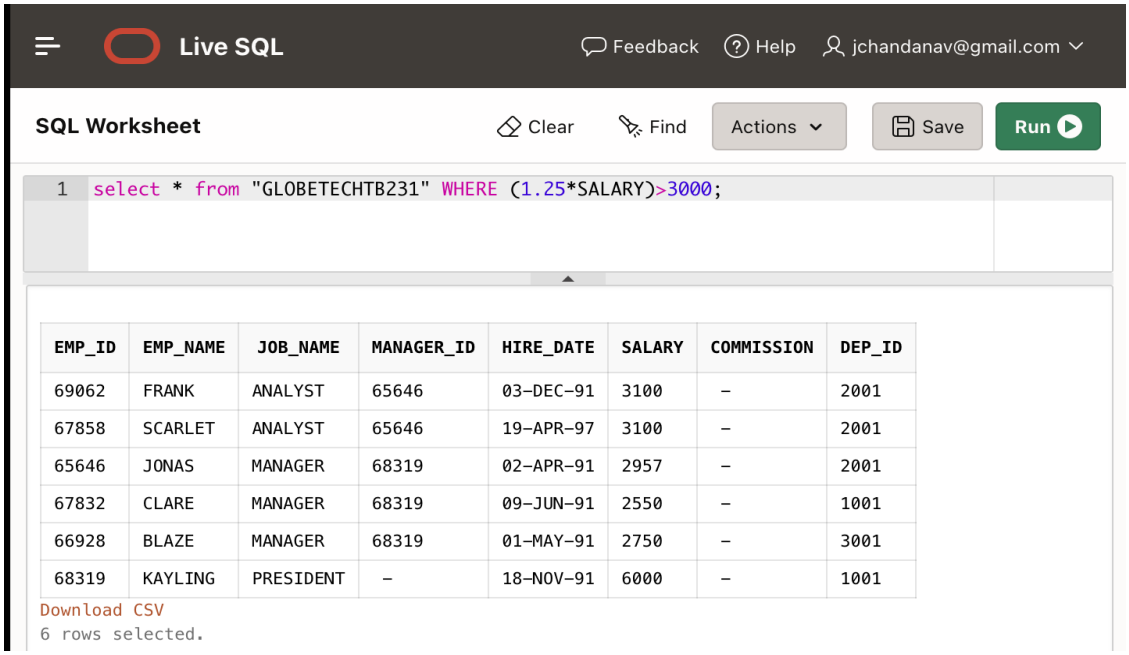
CASE 14: From the following table, write a SQL query to find the details of the employee ‘BLAZE’.
QUERY:select * from "GLOBETECHTB231" WHERE EMP_NAME='BLAZE';
OUTPUT:



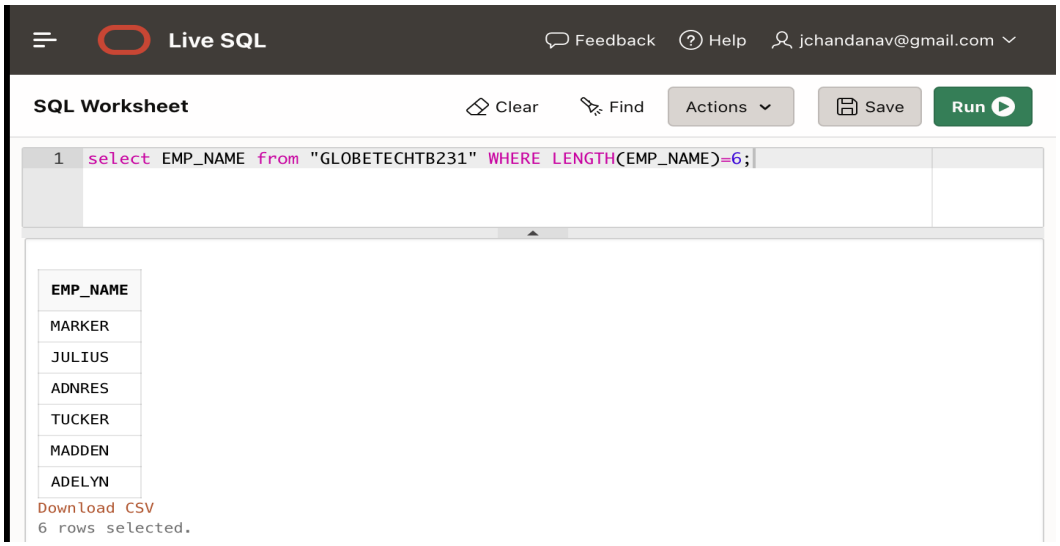
CASE 15: From the following table, write a SQL query to find those employees whose commission is more than their salary. Return complete information about the employees.
QUERY:select * from "GLOBETECHTB231" WHERE COMMISSION>SALARY;
OUTPUT:



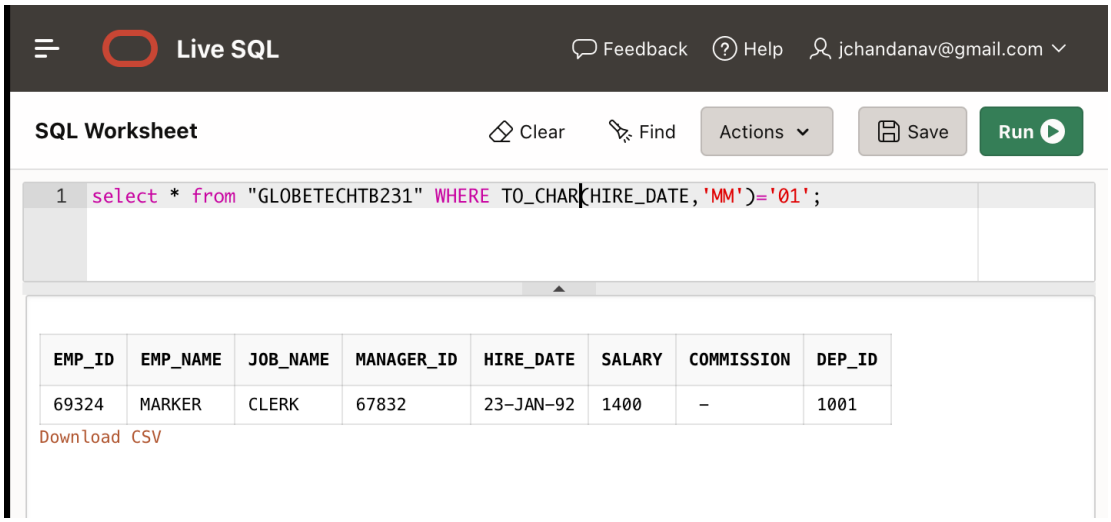
CASE 16: From the following table, write a SQL query to find those employees whose salary exceeds 3000 after giving a 25% increment. Return complete information about the employees.
QUERY: select * from "GLOBETECHTB231" WHERE (1.25*SALARY)>3000;
OUTPUT:



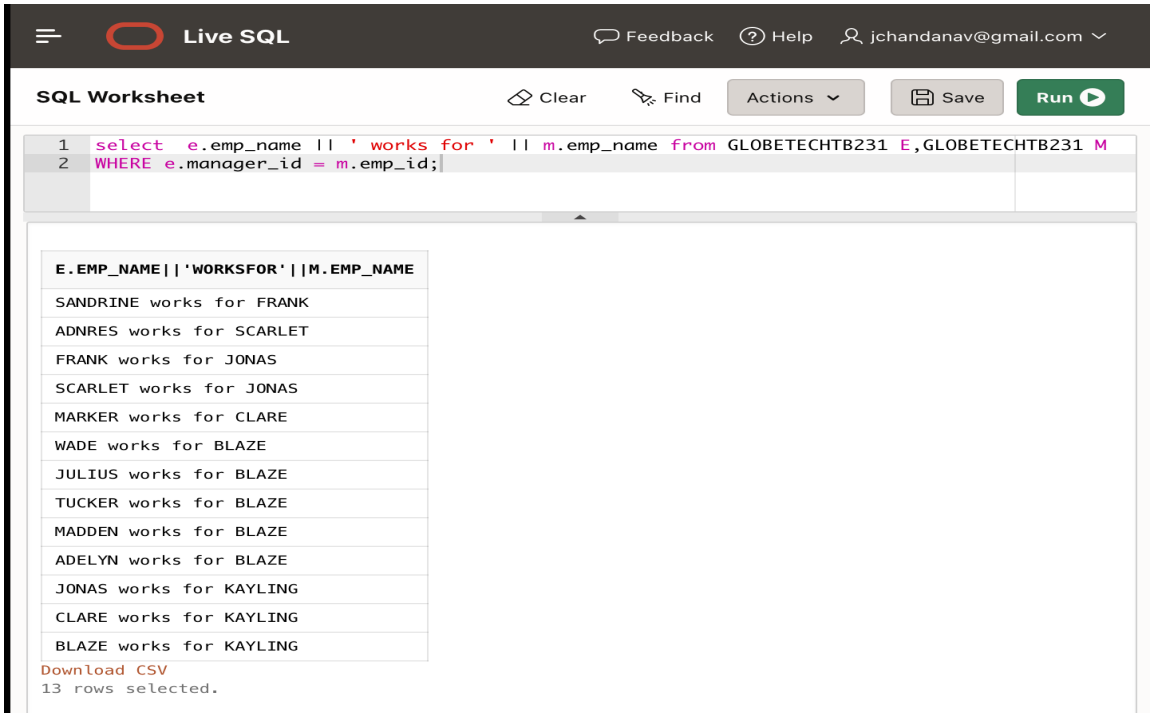
CASE 17: From the following table, write a SQL query to find the names of the employees whose length is six. Return employee name.
QUERY: select EMP_NAME from "GLOBETECHTB231" WHERE LENGTH(EMP_NAME)=6;
OUTPUT:



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 "GLOBETECHTB231" WHERE TO_CHAR(HIRE_DATE,'MM')='01';
OUTPUT:



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 GLOBETECHTB231 E,GLOBETECHTB231 M WHERE e.manager_id = m.emp_id;
OUTPUT:



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 GLOBETECHTB231 WHERE JOB_NAME='CLERK';
OUTPUT: