DXC-AZURE ANALYTICS

ASSIGNMENT -2

CASE STUDY

Name : Nandi Vomkara Aditya Mohan DXC ID : dxcab1203

Date: 31-may-2022

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

As per the requirement we have to create a table and insert the data into it as shown in the attachment fig1.1

Live SQL Feedback Help adityanandi14@gmail.com

SQL Worksheet Clear Find Actions Save Run

```
1  CREATE TABLE globetechtb231(emp_id INT NOT NULL, emp_name varchar(255) NOT NULL,
2  job_name varchar(255) NOT NULL, manager_id int, hire_date date NOT NULL, salary INT NOT NULL,
3  commission INT , dep_id int NOT NULL, constraint pk_globaltechtb231 primary key(emp_id));
4  INSERT INTO
5  globetechtb231(emp_id,emp_name,job_name,manager_id,hire_date,salary,commission,dep_id)
6  values(68319, 'KAYLING', 'PRESIDENT',NULL ,to_date('1991-11-18','yyyy-mm-dd'),6000.00,NULL,
7  1001);
8  INSERT INTO
9  globetechtb231(emp_id,emp_name,job_name,manager_id,hire_date,salary,commission,dep_id)
10 values(66928, 'BLAZE', 'MANAGER',68319 ,to_date('1991-05-01','yyyy-mm-dd'),2750.00,NULL, 3001);
11 INSERT INTO
12 globetechtb231(emp_id,emp_name,job_name,manager_id,hire_date,salary,commission,dep_id)
13 values(67832, 'CLARE', 'MANAGER',68319 ,to_date('1991-06-09','yyyy-mm-dd'),2550.00,NULL,
14 1001);
15 INSERT INTO
16 globetechtb231(emp_id,emp_name,job_name,manager_id,hire_date,salary,commission,dep_id)
17 values(65646, 'JONAS', 'MANAGER', 68319 ,to_date('1991-04-02','yyyy-mm-dd'),2957.00,NULL,
18 2001);
19 INSERT INTO
20 globetechtb231(emp_id,emp_name,job_name,manager_id,hire_date,salary,commission,dep_id)
21 values(67858, 'SCARLET', 'ANALYST', 65646 ,to_date('1997-04-19','yyyy-mm-dd'),3100.00,NULL,
```

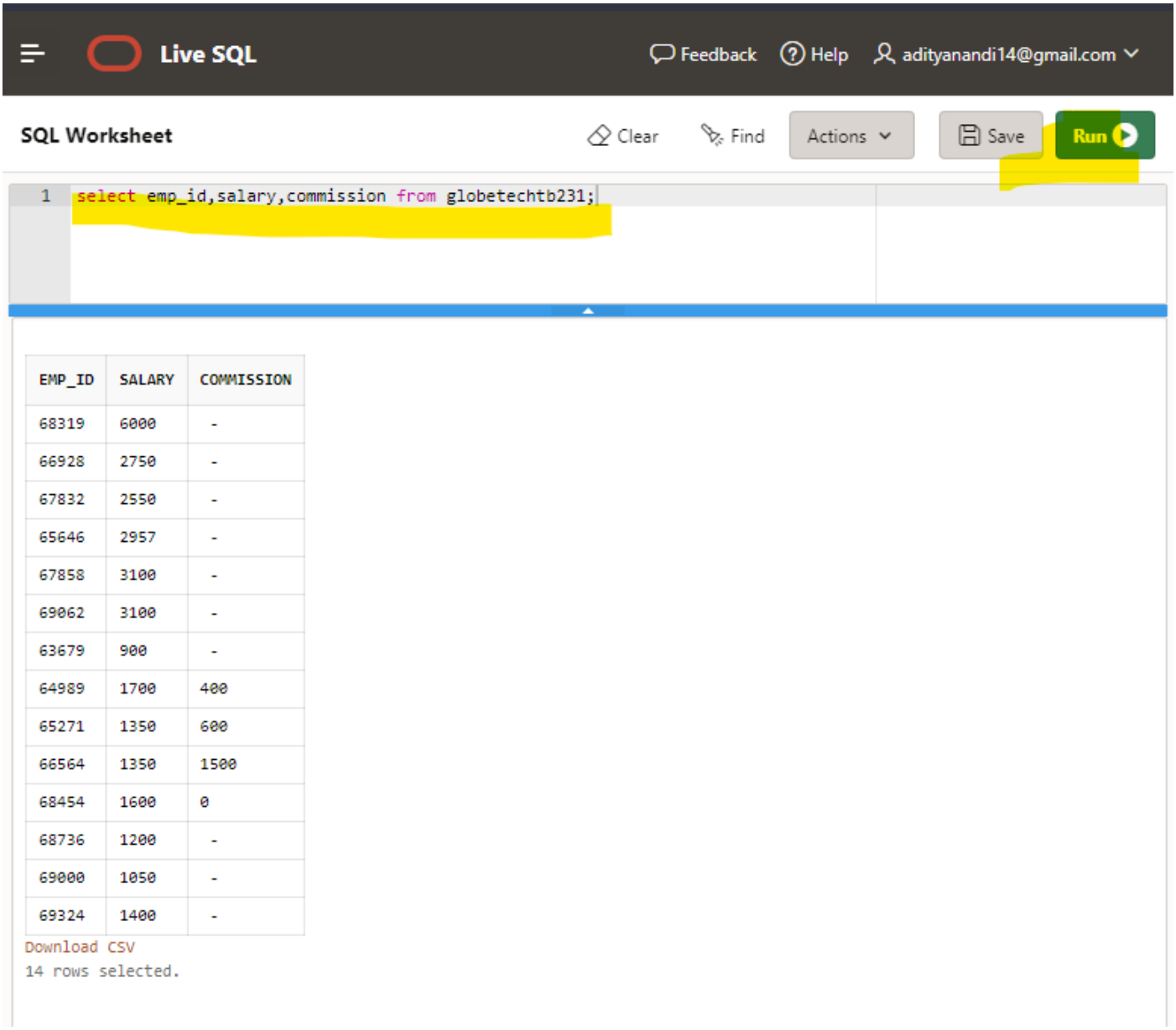
EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
67858	SCARLET	ANALYST	65646	19-APR-97	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

Fig1.1 shows the creation of table and data insertion.

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

In the case we are required to pull the data from the table having the employee ID, salary, and commission. For the activity we have to use the following query

Query for case 9 : select emp_id,salary,commission from globetechtb231;



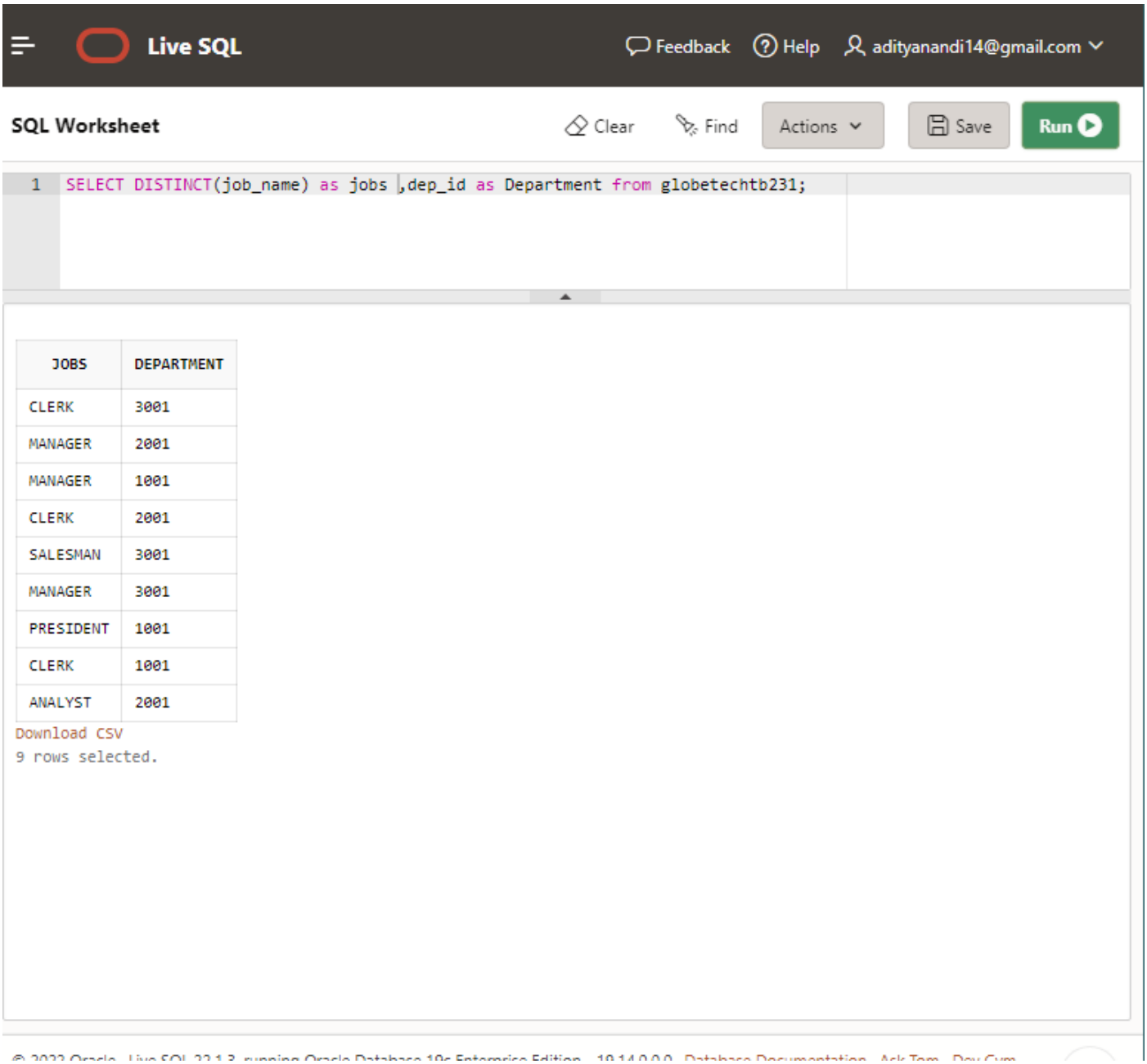
EMP_ID	SALARY	COMMISSION
68319	6000	-
66928	2750	-
67832	2550	-
65646	2957	-
67858	3100	-
69062	3100	-
63679	900	-
64989	1700	400
65271	1350	600
66564	1350	1500
68454	1600	0
68736	1200	-
69000	1050	-
69324	1400	-

Download CSV
14 rows selected.

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

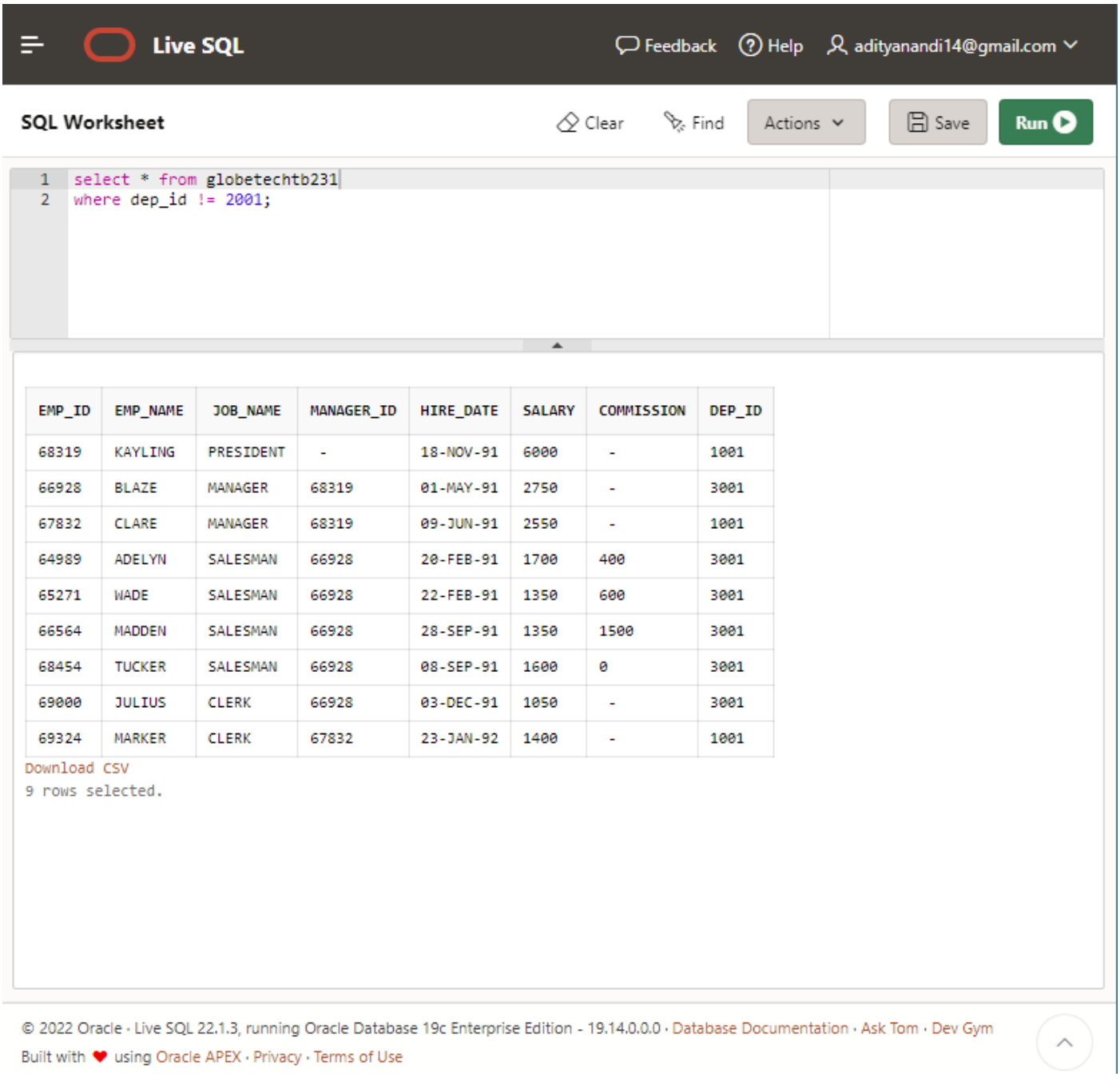
query for case 10:

```
SELECT DISTINCT(job_name) as jobs ,dep_id as Department from globetechtb231;
```



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 != 2001;



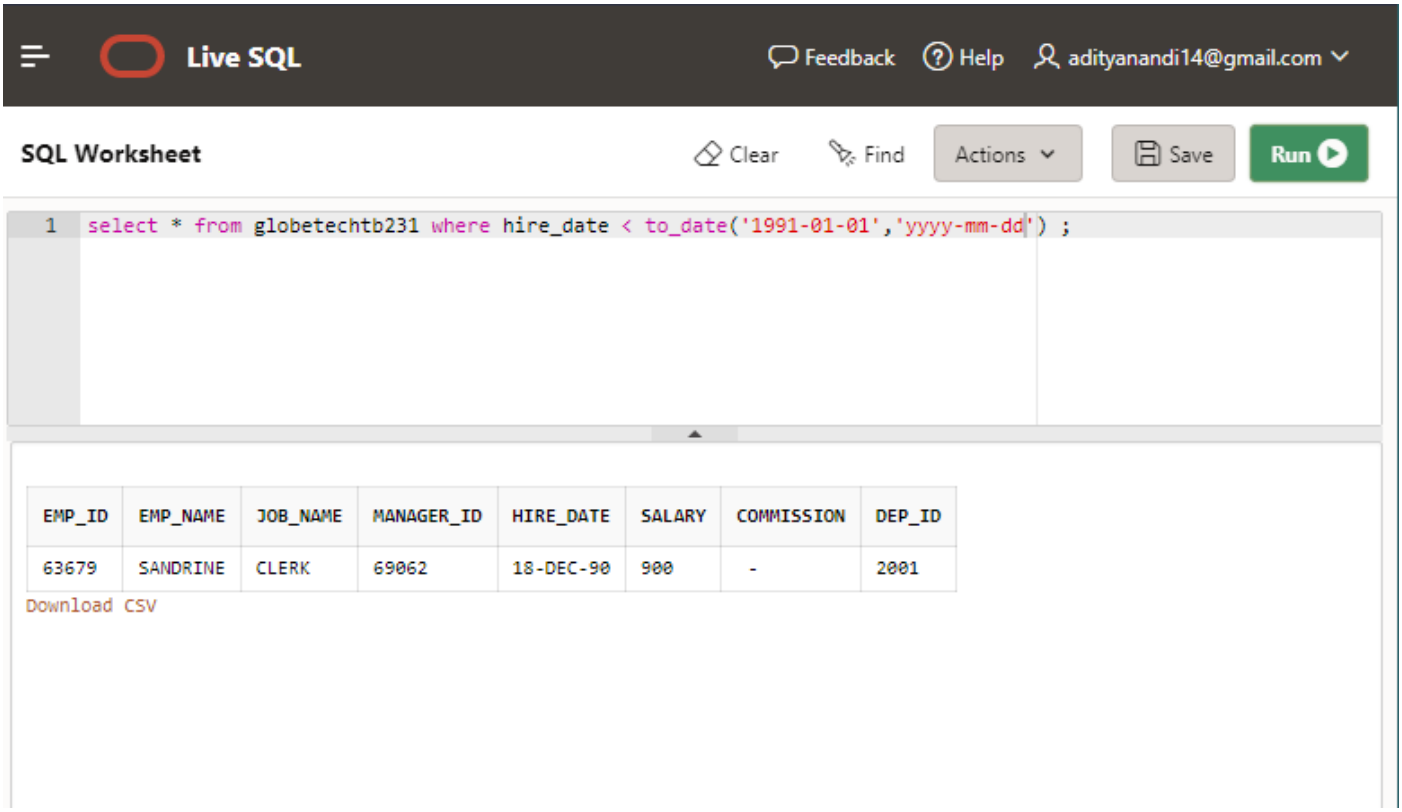
EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001
65271	WADE	SALESMAN	66928	22-FEB-91	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
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	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

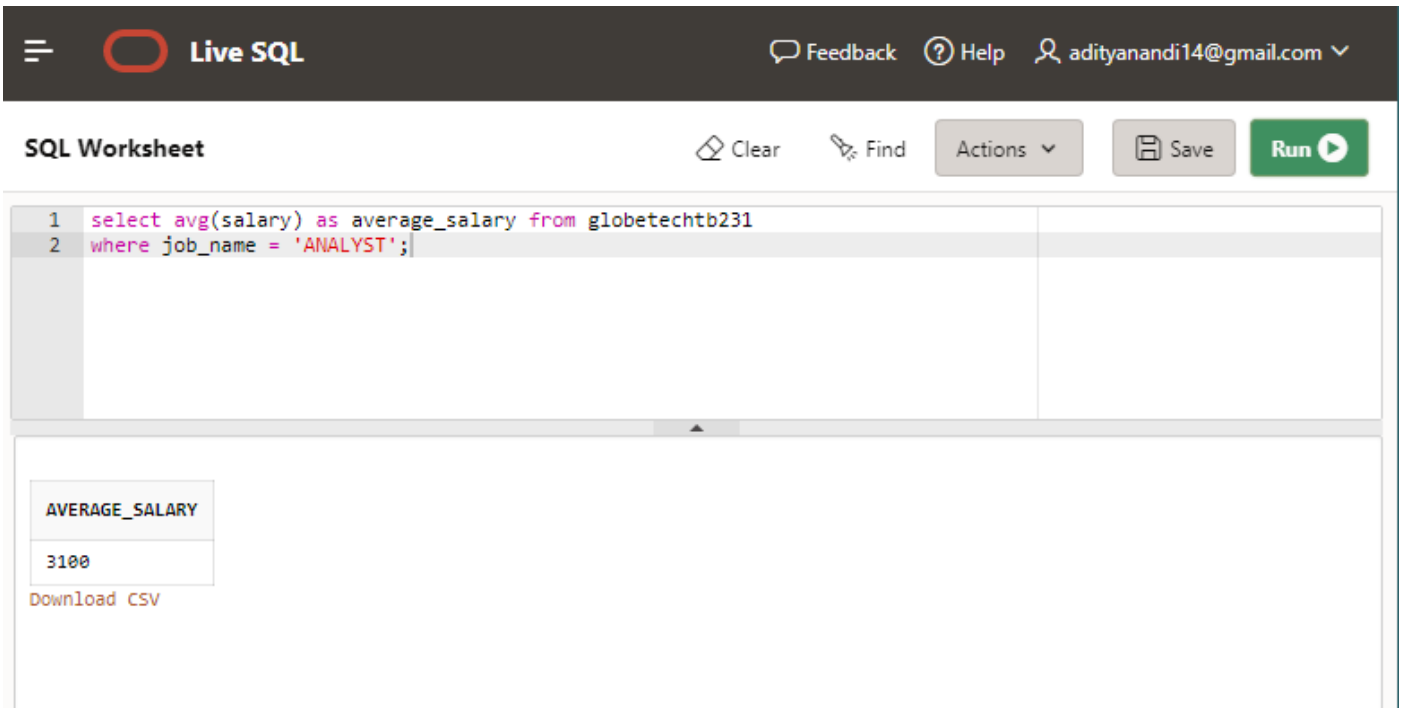
query :

```
select * from globetechtb231 where hire_date < to_date('1991-01-01','yyyy-mm-dd') ;
```



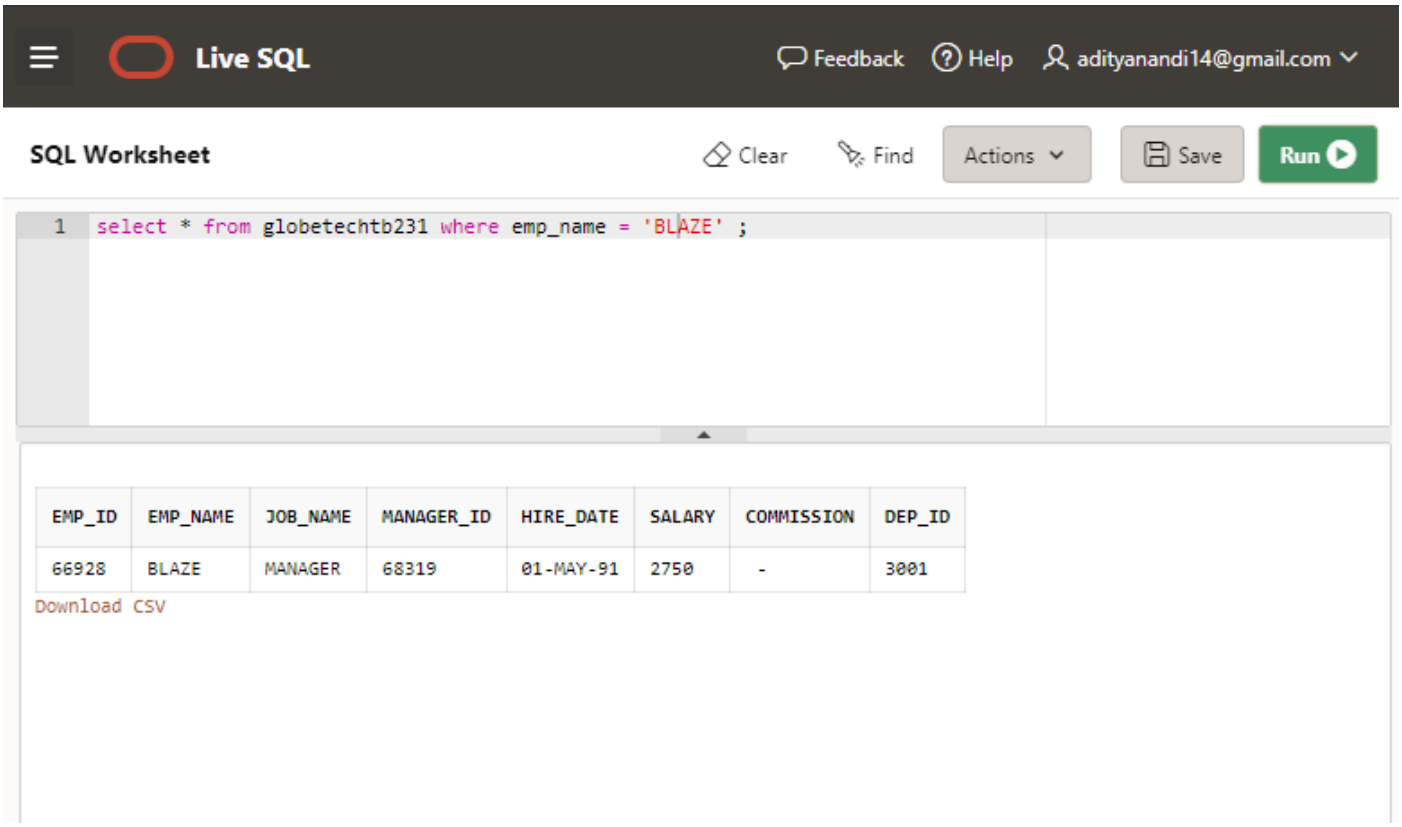
case 13. From the following table, write a SQL query to compute the average salary of those employees who work as 'ANALYST'.
Return average salary.

Query : select avg(salary) as average_salary from globetechtb231 where job_name = 'ANALYST';



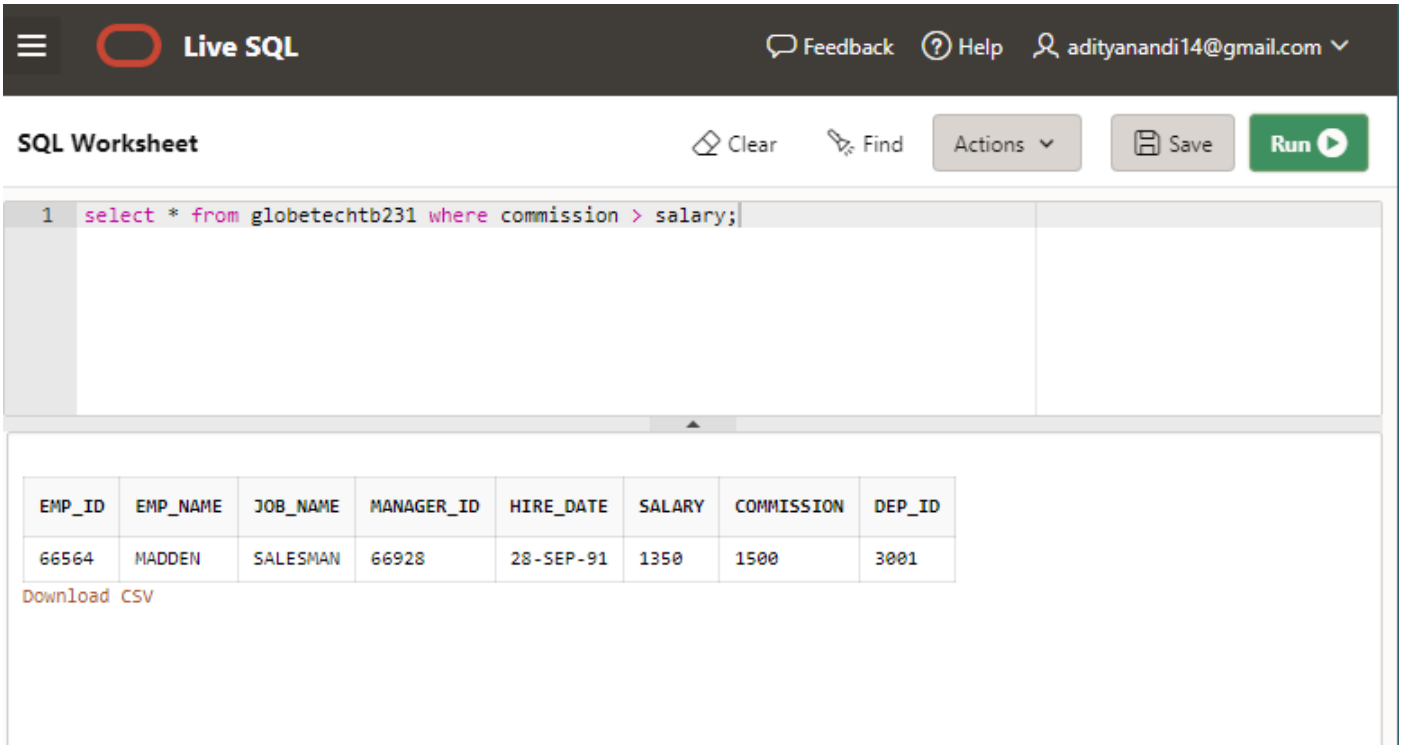
case 14. From the following table, write a SQL query to find the details of the employee 'BLAZE'

query: select * from globetechtb231 where emp_name = 'BLAZE' ;



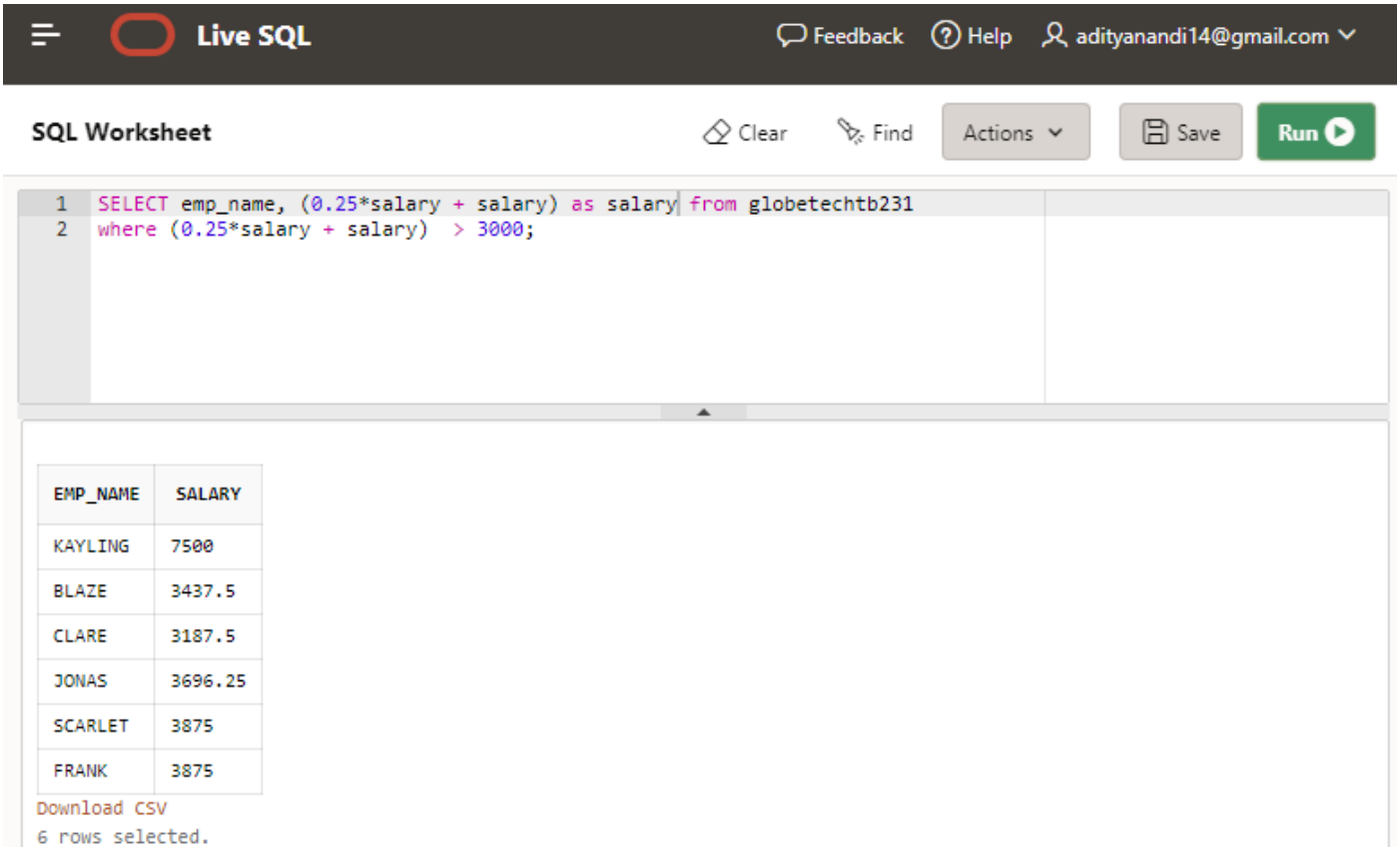
case 15. From the following table, write a SQL query to find those employees whose commission is more than their salary.
Return complete information about the employees

query : select * from globetechtb231 where commission > salary;



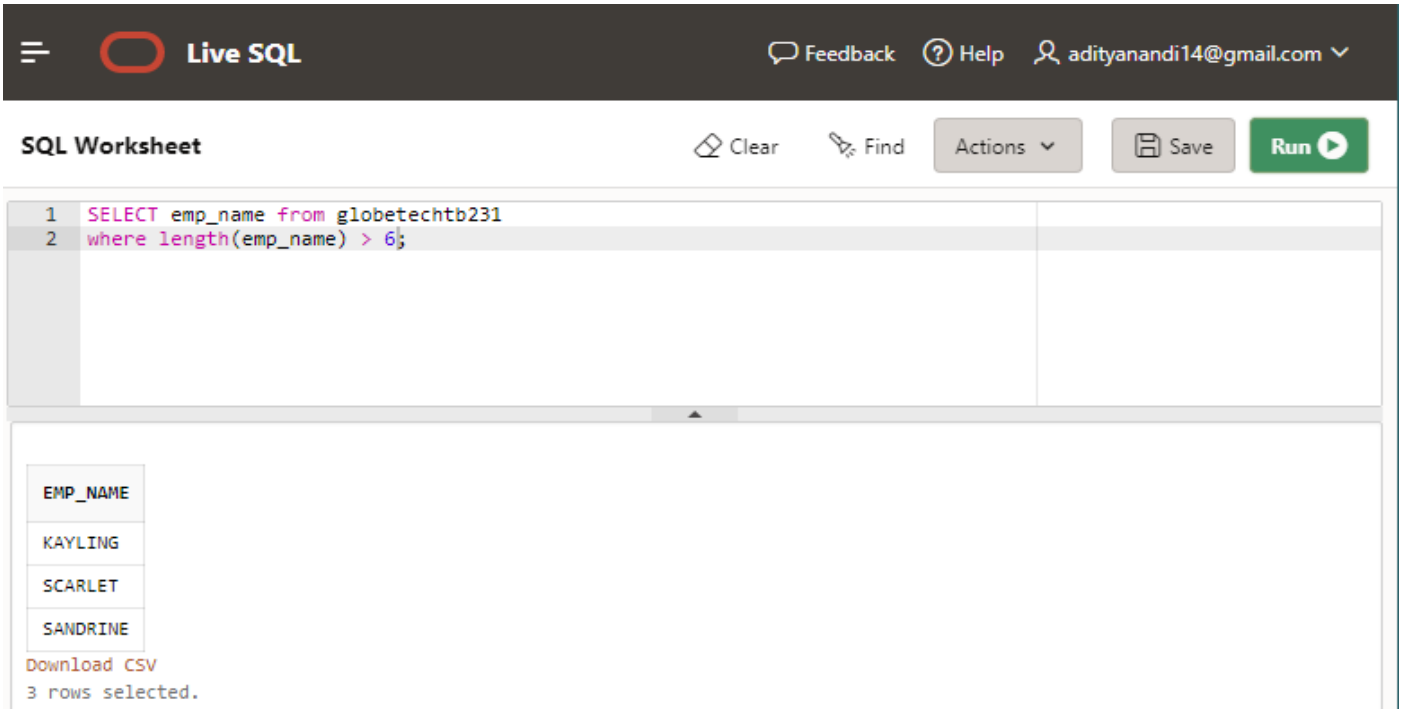
case 16. From the following table, write a SQL query to find those employees whose salary exceeds 3000 after giving 25% increment.
Return complete information about the employees

query : SELECT emp_name, (0.25*salary + salary) as salary from globetechtb231
where (0.25*salary + salary) > 3000;



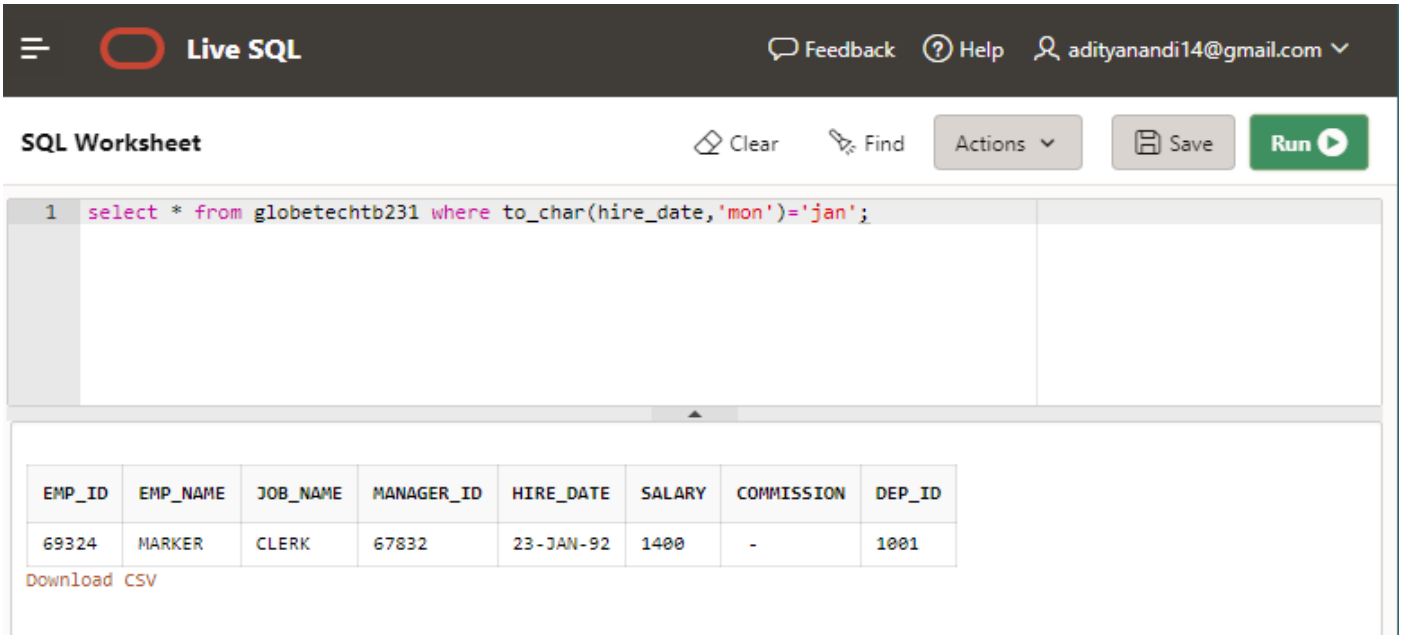
Case 17 : From the following table, write a SQL query to find the names of the employees whose length is six.
Return employee name

Query :



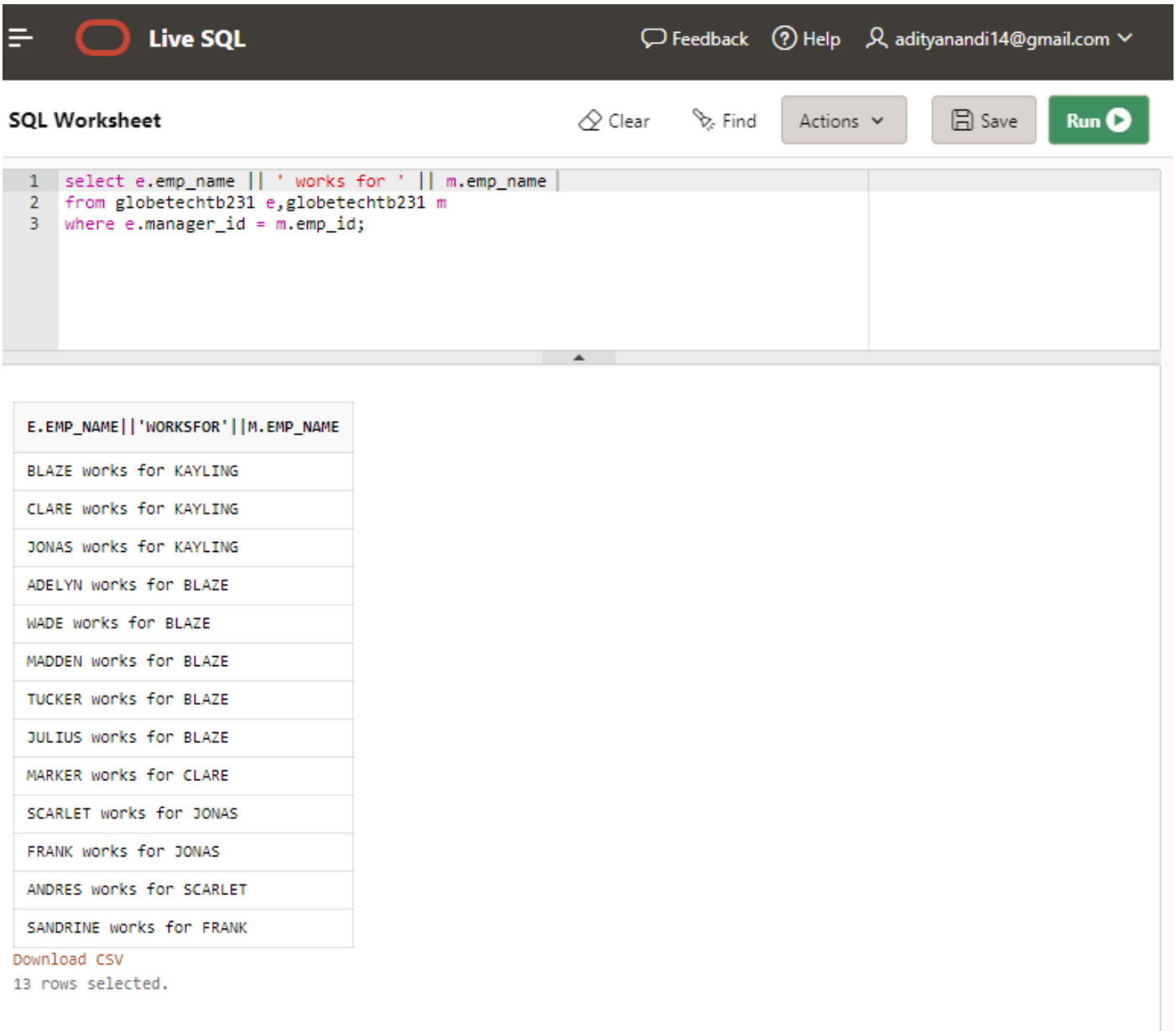
case 18. From the following table, write a SQL query to find those employees who joined in the month January. Return complete information about the employees.

Query : select * from globetechtb231 where to_char(hire_date,'mon')='jan';



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 where e.manager_id = m.emp_id;



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 emp_name as employees_with_deisgnation_clerk from globetechtb231

where job_name = 'CLERK';