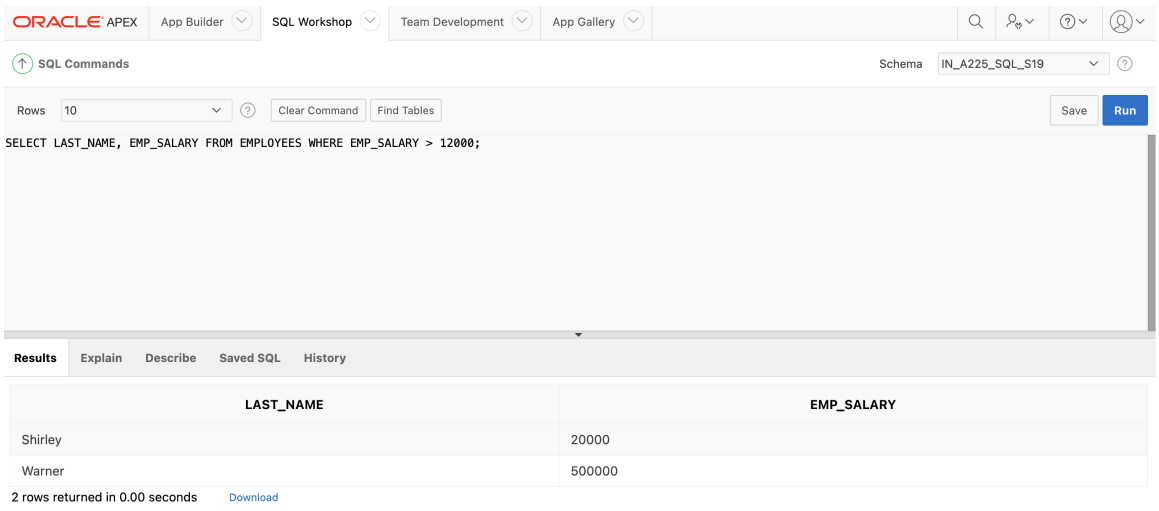
EXERCISE - 5

Restricting and Sorting Data

1. Create a query to display the last name and salary of employees earning more than 12000.

```
SELECT LAST_NAME, EMP_SALARY FROM EMPLOYEES WHERE EMP_SALARY > 12000;
```

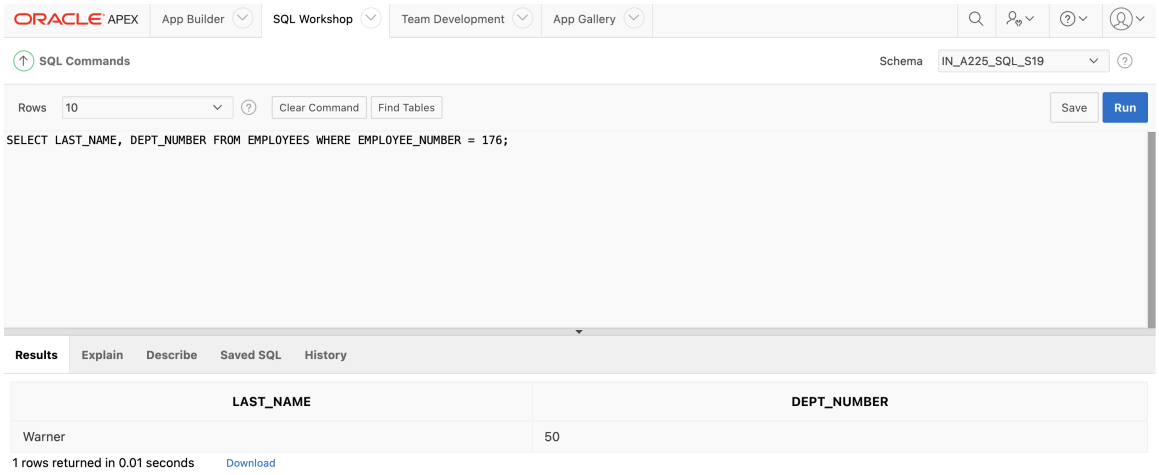
OUTPUT:



2. Create a query to display the employee last name and department number for employee number 176.

```
SELECT LAST_NAME, DEPT_NUMBER FROM EMPLOYEES WHERE EMPLOYEE_NUMBER = 176;
```

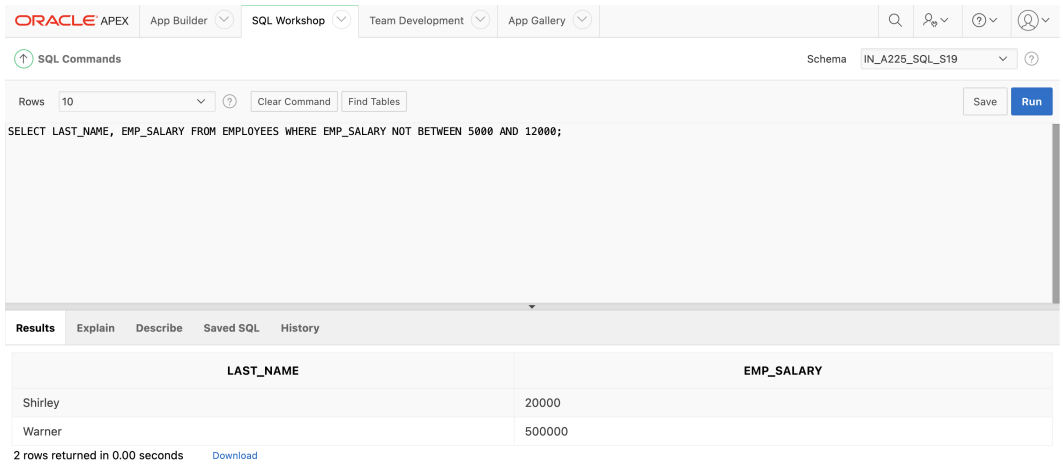
OUTPUT:



3. Create a query to display the last name and salary of employees whose salary is not in the
   range of 5000 and 12000.

```
SELECT LAST_NAME, EMP_SALARY FROM EMPLOYEES WHERE EMP_SALARY
NOT BETWEEN 5000 AND 12000;
```

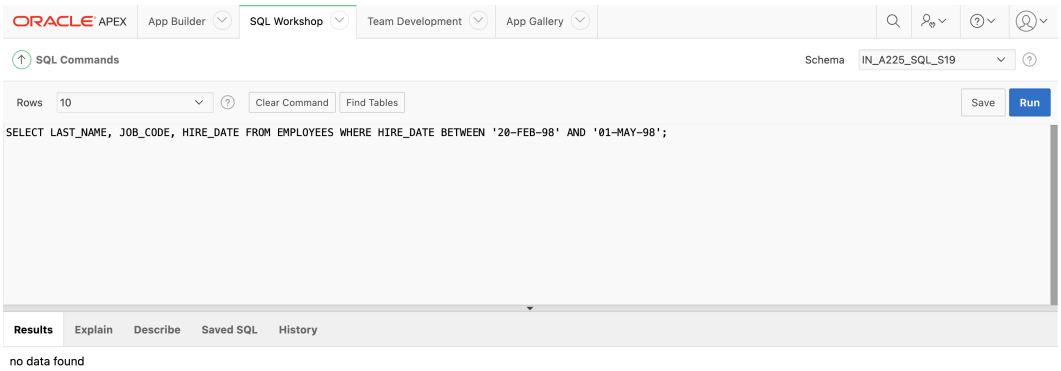
OUTPUT:



4. Display the employee last name, job ID, and start date of employees hired between February 20,1998 and May 1,1998.order the query in ascending order by start date.

```
SELECT LAST_NAME, JOB_CODE, HIRE_DATE FROM EMPLOYEES WHERE HIRE_DATE
BETWEEN '20-FEB-98' AND '01-MAY-98';
```

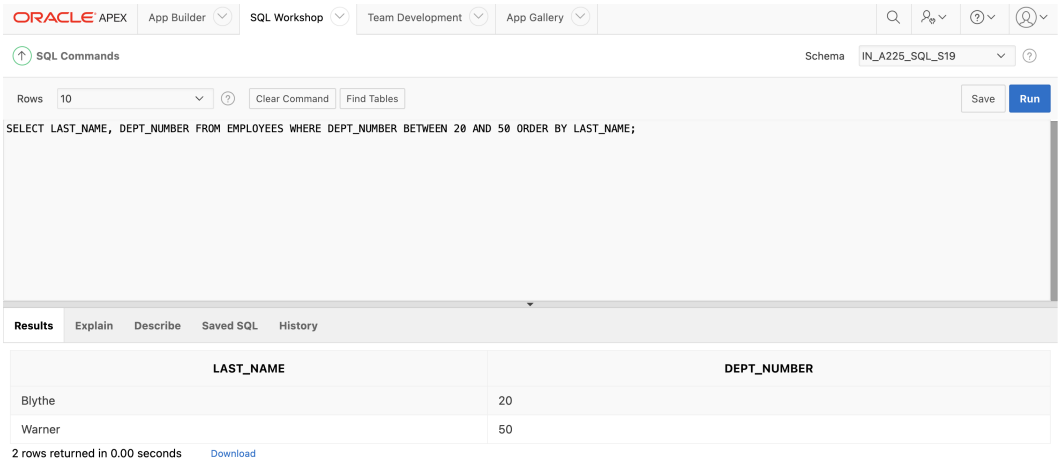
OUTPUT:



5. Display the last name and department number of all employees in departments 20 and 50 in
alphabetical order by name.

```
SELECT LAST_NAME, DEPT_NUMBER FROM EMPLOYEES WHERE DEPT_NUMBER
BETWEEN 20 AND 50 ORDER BY LAST_NAME;
```

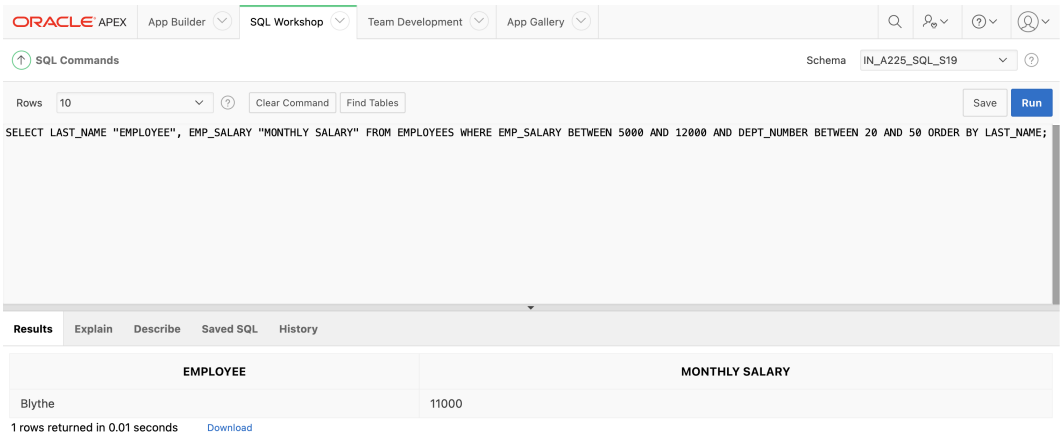
OUTPUT:



6. Display the last name and salary of all employees who earn between 5000 and 12000 and are in departments 20 and 50 in alphabetical order by name. Label the columns EMPLOYEE, MONTHLY SALARY respectively.

```
SELECT LAST_NAME "EMPLOYEE", EMP_SALARY "MONTHLY SALARY" FROM
EMPLOYEES WHERE EMP_SALARY BETWEEN 5000 AND 12000 AND
DEPT_NUMBER BETWEEN 20 AND 50 ORDER BY LAST_NAME;
```

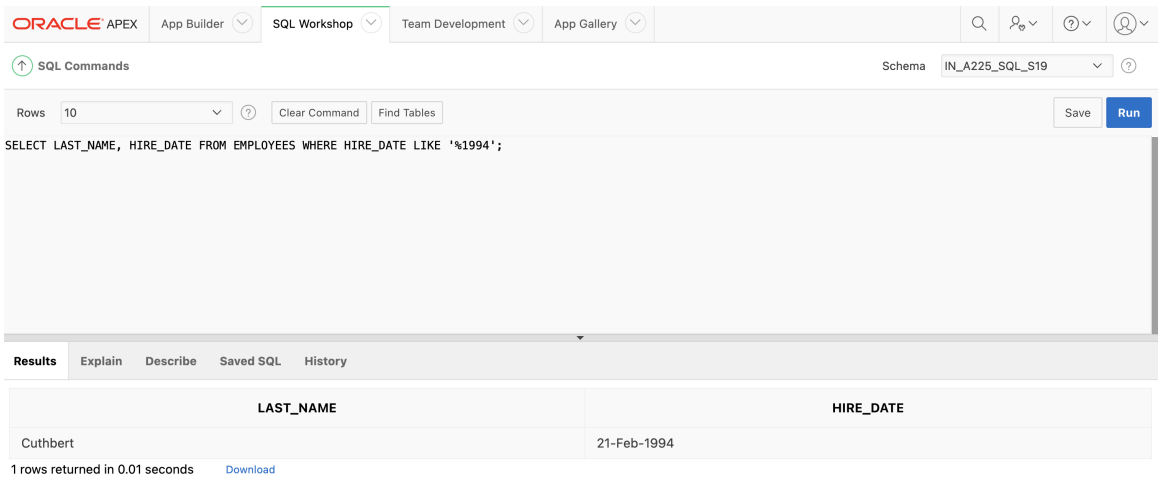
OUTPUT:



7. Display the last name and hire date of every employee who was hired in 1994.

```
SELECT LAST_NAME, HIRE_DATE FROM EMPLOYEES WHERE HIRE_DATE LIKE '%1994';
```

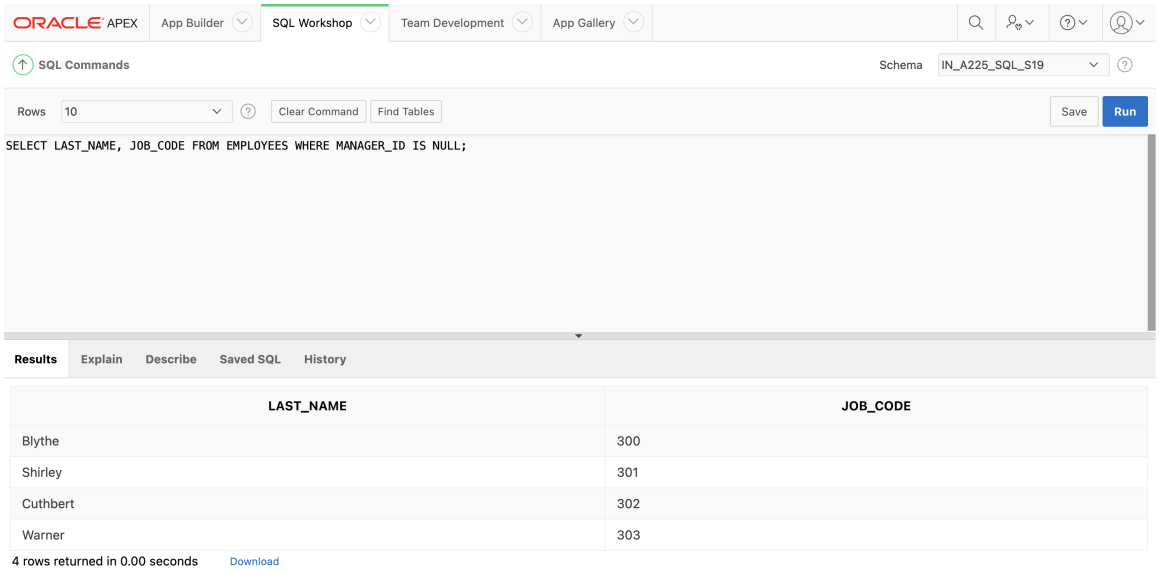
OUTPUT:



8. Display the last name and job title of all employees who do not have a manager.

```
SELECT LAST_NAME, JOB_CODE FROM EMPLOYEES WHERE MANAGER_ID IS NULL;
```

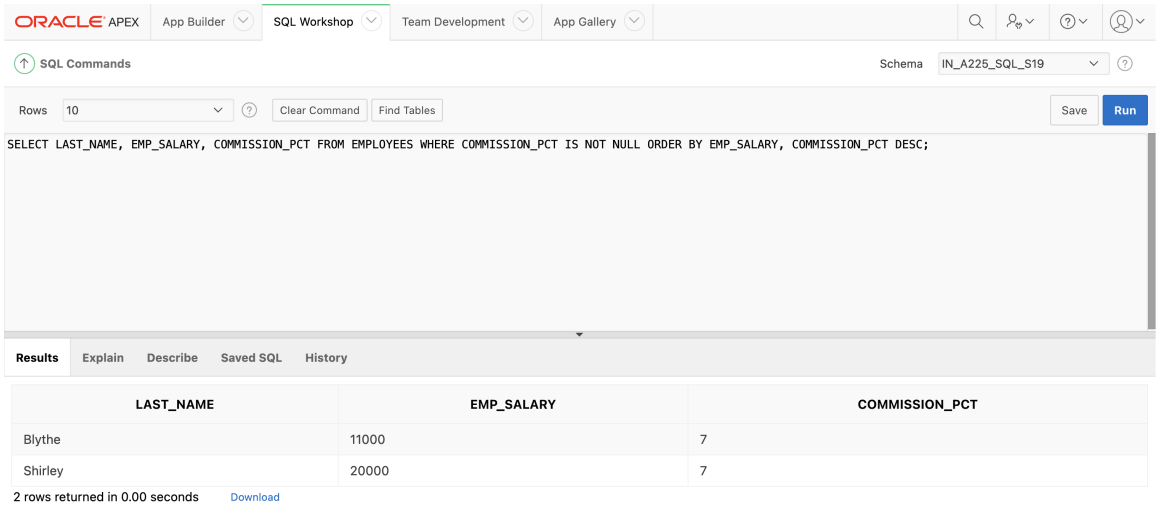
OUTPUT:



9. Display the last name, salary, and commission for all employees who earn commissions. Sort data in descending order of salary and commissions.

```
SELECT LAST_NAME, EMP_SALARY, COMMISSION_PCT FROM EMPLOYEES
WHERE COMMISSION_PCT IS NOT NULL ORDER BY EMP_SALARY, COMMISSION_PCT DESC;
```

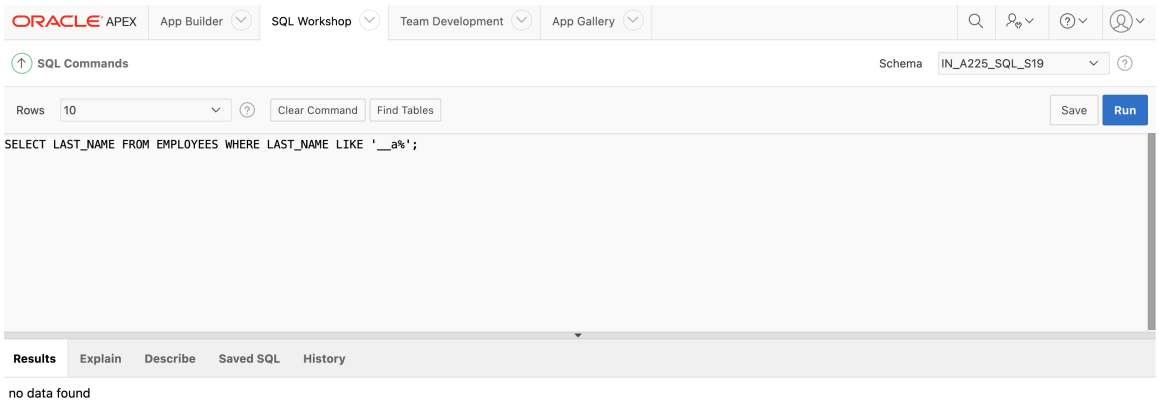
OUTPUT:



10. Display the last name of all employees where the third letter of the name is ***a***.

```
SELECT LAST_NAME FROM EMPLOYEES WHERE LAST_NAME LIKE '__a%';
```

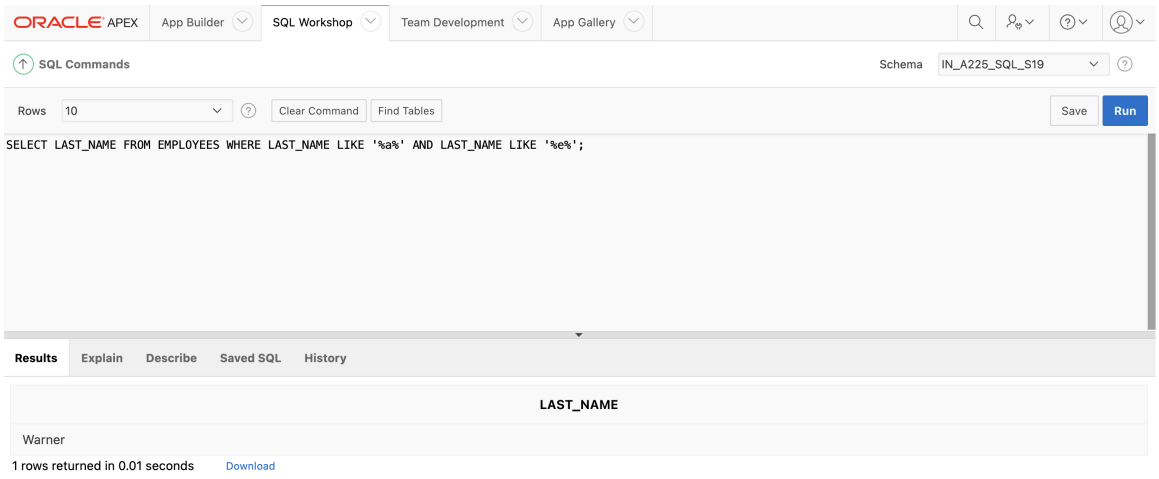
OUTPUT:



11. Display the last name of all employees who have an a and an ***e*** in their last name.

```
SELECT LAST_NAME FROM EMPLOYEES WHERE LAST_NAME LIKE '%a%' AND
LAST_NAME LIKE '%e%';
```

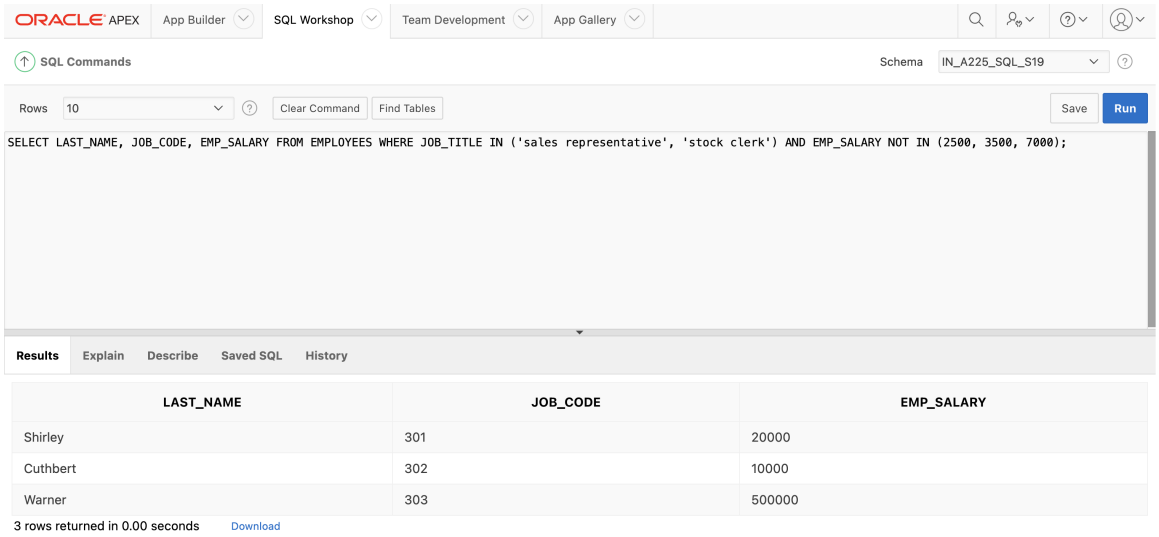
OUTPUT:



12. Display the last name and job and salary for all employees whose job is sales representative or stock clerk and whose salary is not equal to 2500 ,3500 or 7000.

```
SELECT LAST_NAME, JOB_CODE, EMP_SALARY FROM EMPLOYEES WHERE
JOB_TITLE IN ('sales representative', 'stock clerk') AND
EMP_SALARY NOT IN (2500, 3500, 7000);
```

OUTPUT:



13. Display the last name, salary, and commission for all employees whose commission amount is 20%.

```
SELECT LAST_NAME, EMP_SALARY, COMMISSION_PCT FROM EMPLOYEES WHERE
COMMISSION_PCT = 20;
```

OUTPUT: