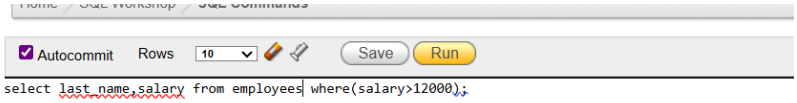
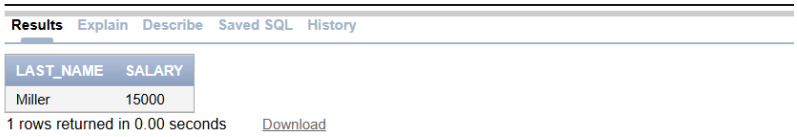
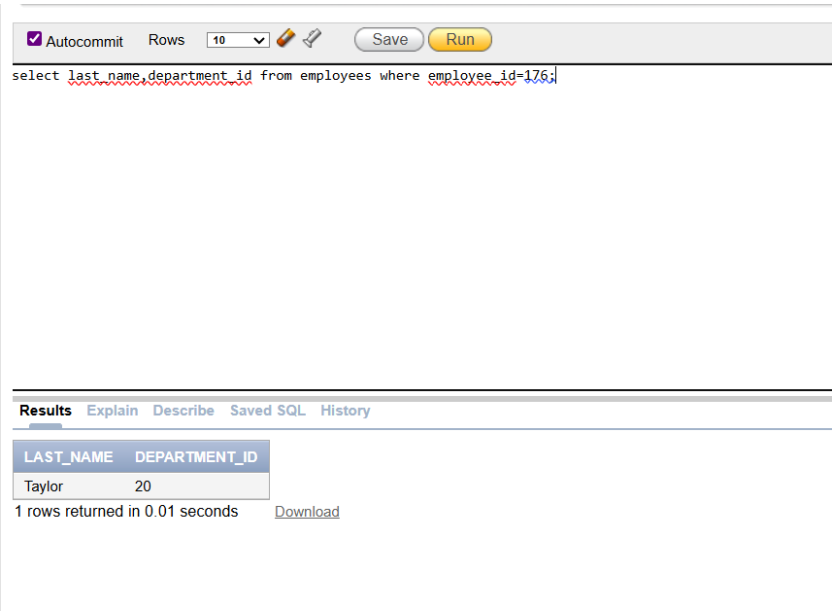
Exercise-5 Restricting and Sorting data

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





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



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,salary from employees where salary not between 5000 and 12000;
```

Results Explain Describe Saved SQL History

LAST_NAME	SALARY
Miller	15000
Anderson	3000

2 rows returned in 0.01 seconds Download

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.

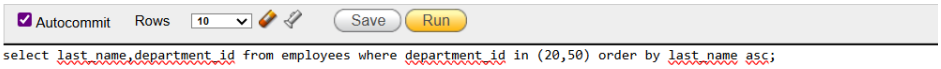
```
select last_name,job_id,hire_date from employees where hire_date between '02/20/1998' and '05/01/1998' order by hire_date asc;
```

Results Explain Describe Saved SQL History

LAST_NAME	JOB_ID	HIRE_DATE
Wilson	ad_vp	02/25/1998
Doe	st_clerk	03/20/1998

2 rows returned in 0.02 seconds Download

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



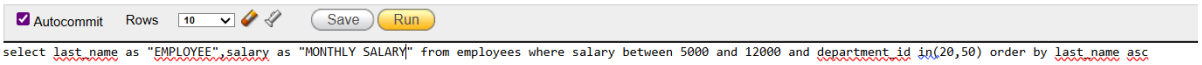

```
select last_name,department_id from employees where department_id in (20,50) order by last_name asc;
```

Results Explain Describe Saved SQL History

LAST_NAME	DEPARTMENT_ID
Brown	20
Doe	50
Smith	20
Taylor	20
Wilson	50

5 rows returned in 0.01 seconds Download

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 as "EMPLOYEE",salary as "MONTHLY SALARY" from employees where salary between 5000 and 12000 and department_id in(20,50) order by last_name asc
```

Results Explain Describe Saved SQL History

EMPLOYEE	MONTHLY SALARY
Brown	5000
Doe	12000
Smith	8000
Taylor	11000
Wilson	7000

5 rows returned in 0.01 seconds Download

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

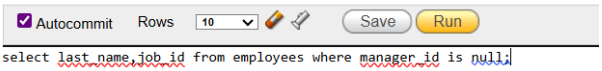

```
select last_name,hire_date from employees where hire_date like '%1994';
```

Results Explain Describe Saved SQL History

LAST_NAME	HIRE_DATE
Brown	07/10/1994
Smith	03/15/1994
Anderson	05/15/1994
Taylor	11/25/1994

4 rows returned in 0.01 seconds Download

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



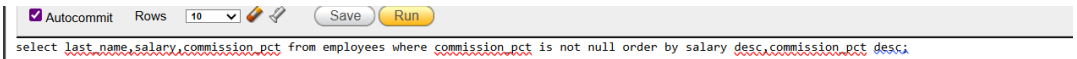

```
select last_name,job_id from employees where manager_id is null;
```

Results Explain Describe Saved SQL History

LAST_NAME	JOB_ID
Wilson	ad_vp
Davis	sa_rep
Doe	st_clerk

3 rows returned in 0.00 seconds Download

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,salary,commission_pct from employees where commission_pct is not null order by salary desc,commission_pct desc;
```

Results Explain Describe Saved SQL History

LAST_NAME	SALARY	COMMISSION_PCT
Miller	15000	.3
Taylor	11000	.1
Davis	9000	.15
Smith	8000	.2

4 rows returned in 0.00 seconds Download

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%';
```

Results Explain Describe Saved SQL History

LAST_NAME
Evans

1 rows returned in 0.01 seconds Download

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

Autocommit Rows 10 Save Run

```
select last_name from employees where last_name like '%a%e%';
```

Results Explain Describe Saved SQL History

LAST_NAME
Laurel

1 rows returned in 0.01 seconds Download

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.

Autocommit Rows 10 Save Run

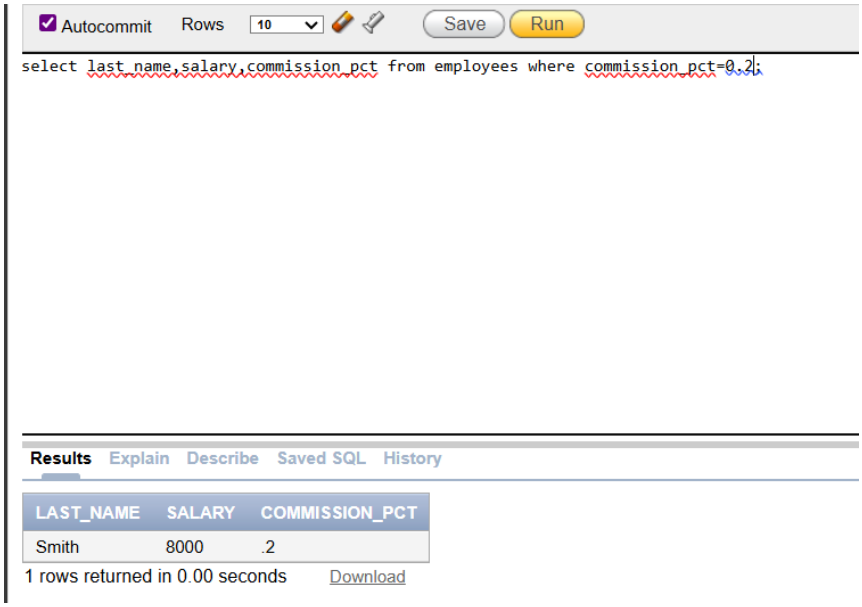
```
select last_name,job_id,salary from employees where job_id in('sa_rep','st_clerk') and salary not in(2500,3000,7000);
```

Results Explain Describe Saved SQL History

LAST_NAME	JOB_ID	SALARY
Miller	sa_rep	15000
Davis	sa_rep	9000
Smith	sa_rep	8000
Doe	st_clerk	12000
Taylor	sa_rep	11000

5 rows returned in 0.01 seconds Download

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


Autocommit
Rows
10
Save
Run
select last_name,salary,commission_pct from employees where commission_pct=0.2;
Results
Explain
Describe
Saved SQL
History
LAST_NAME
SALARY
COMMISSION_PCT
Smith
8000
.2
1 rows returned in 0.00 seconds
Download