Name**: Kashan Humayun**

Sap Id:**24773**

Semester**: 4th**

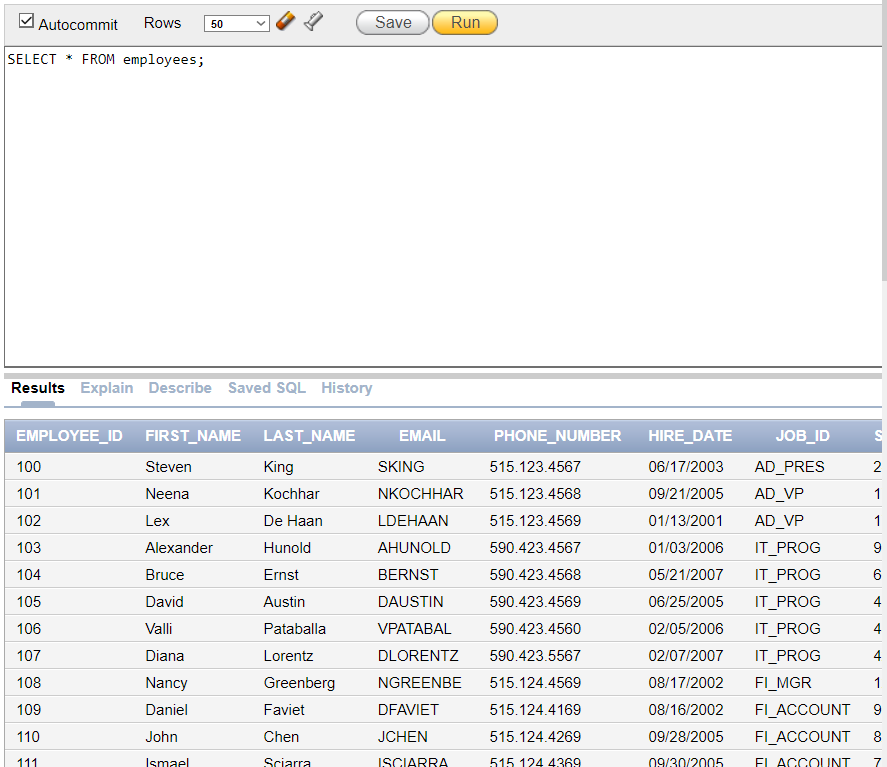
Program**: BSCS**

Subject: **Database Design Lab**

**Q1 You are required to read the lab manual and implement all the queries mentioned in the manual. (5 marks)**

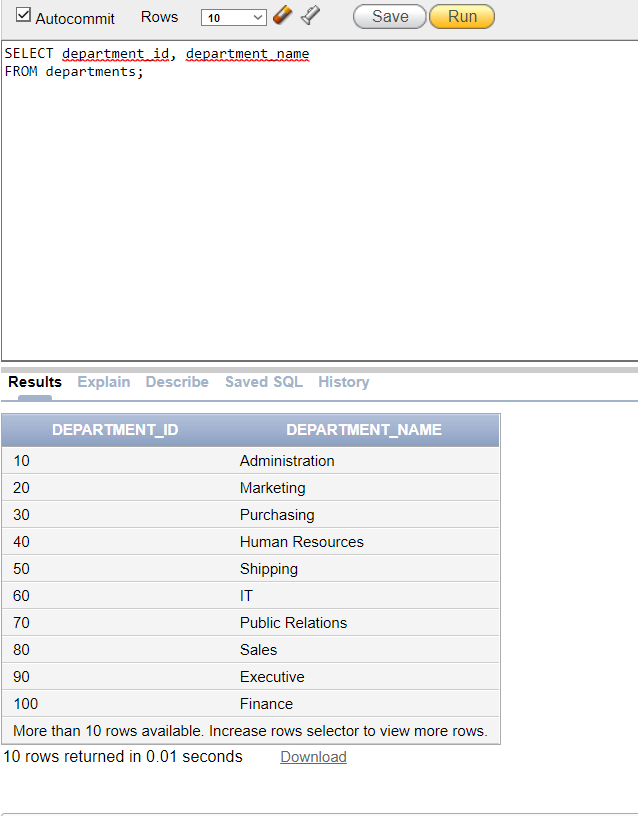
**SELECT ALL:**

SELECT \* FROM employees;



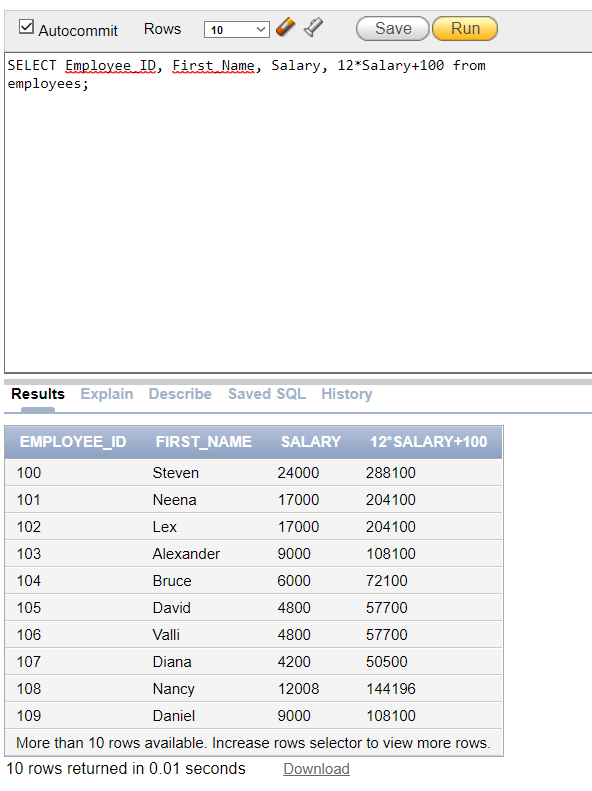
**Selecting specific Columns**:

SELECT department\_id, department\_name FROM departments;

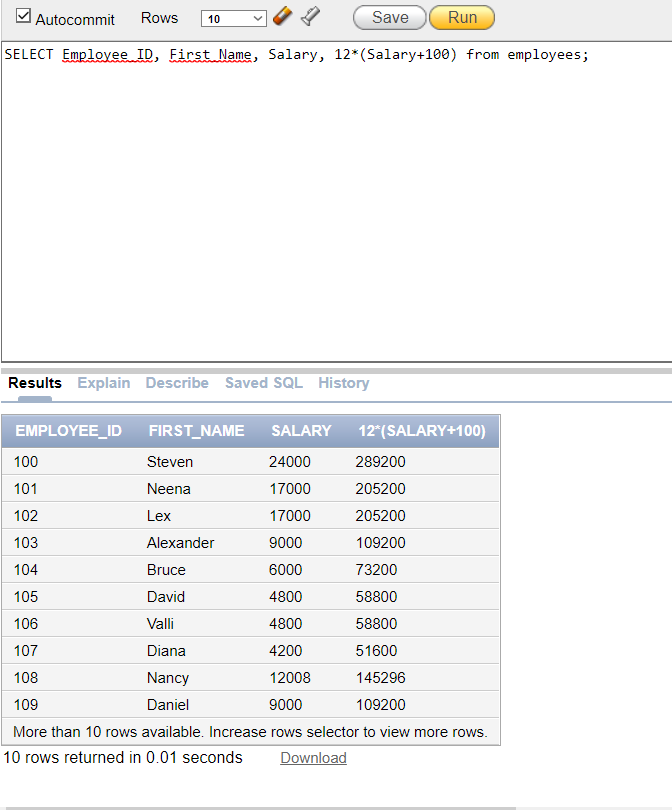


**Arithmetic expressions;**

SELECT Employee\_ID, First\_Name, Salary, 12\*Salary+100 from employees;

****

**SELECT Employee\_ID, First\_Name, Salary, 12\*(Salary+100) from employees;**

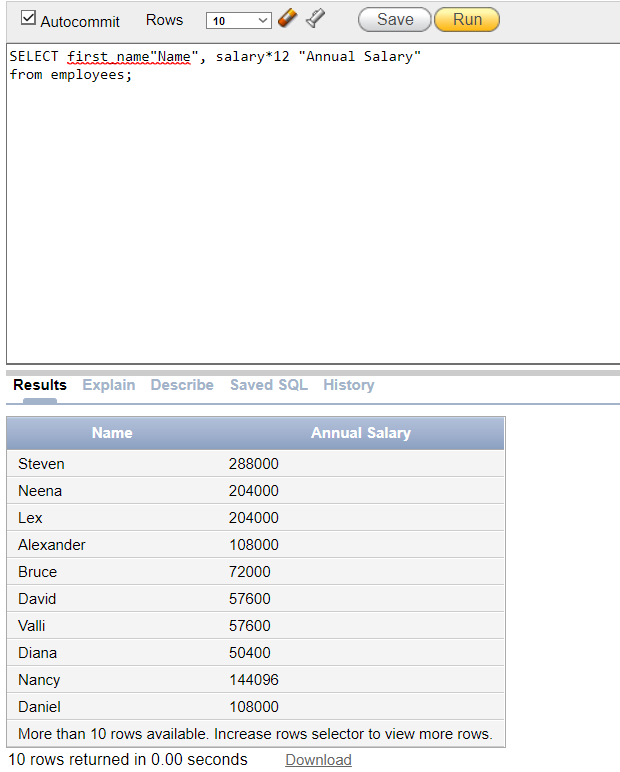
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**Column Alias:**

SELECT first\_name AS Name from employees;

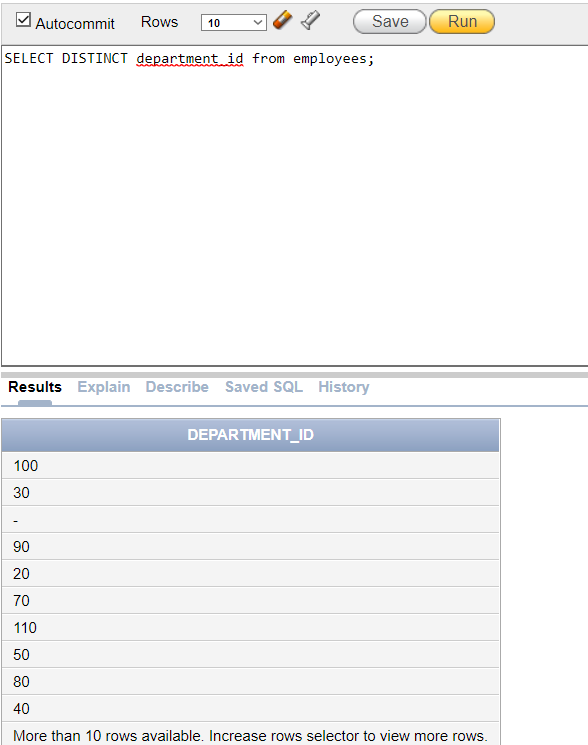
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SELECT first\_name “Name”, salary\*12 “Annual Salary” from employees;

****

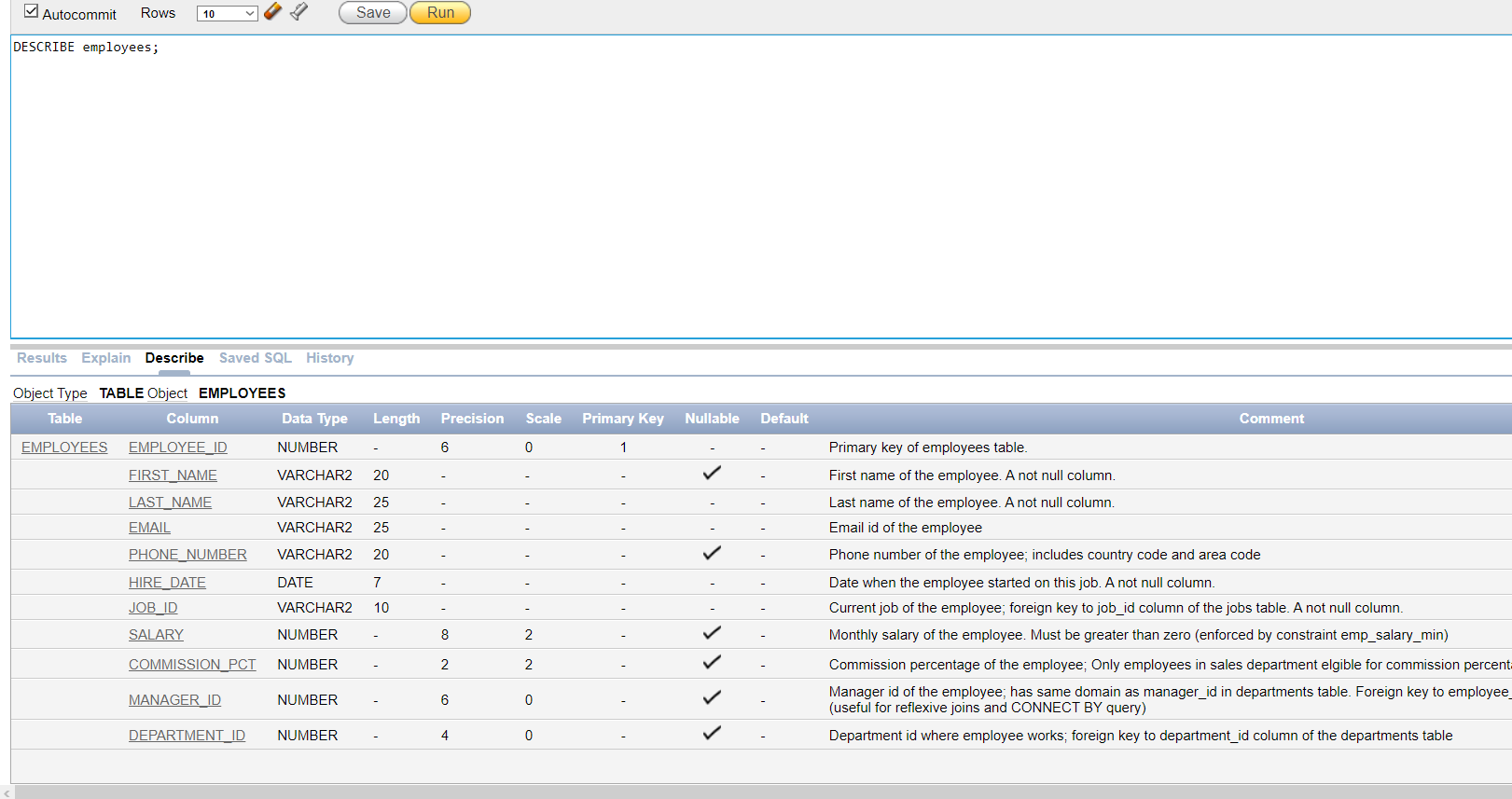
**Eliminating duplicate rows:**

SELECT DISTINCT department\_id from employees;

****

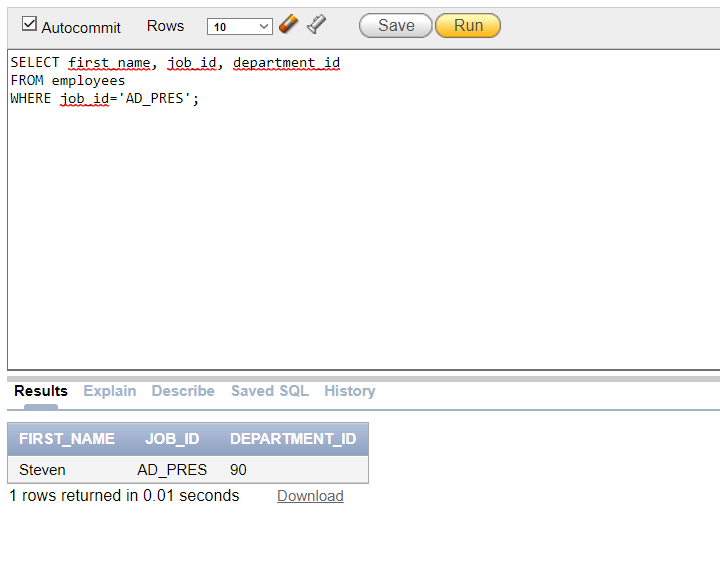
**Displaying table structure:**

DESCRIBE employees;

****

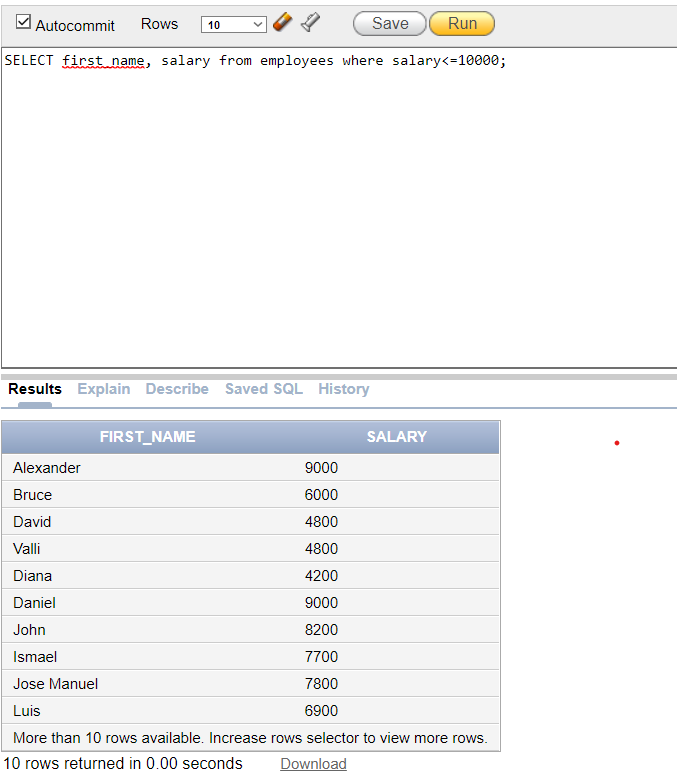
**Limiting rows selected:**

SELECT first\_name, job\_id, department\_id FROM employees WHERE job\_id='AD\_PRES';

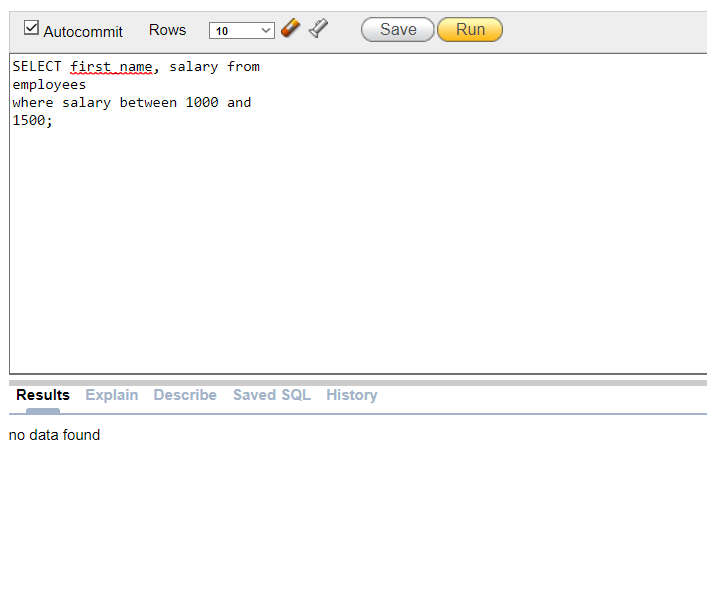
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**Comparison operators:**

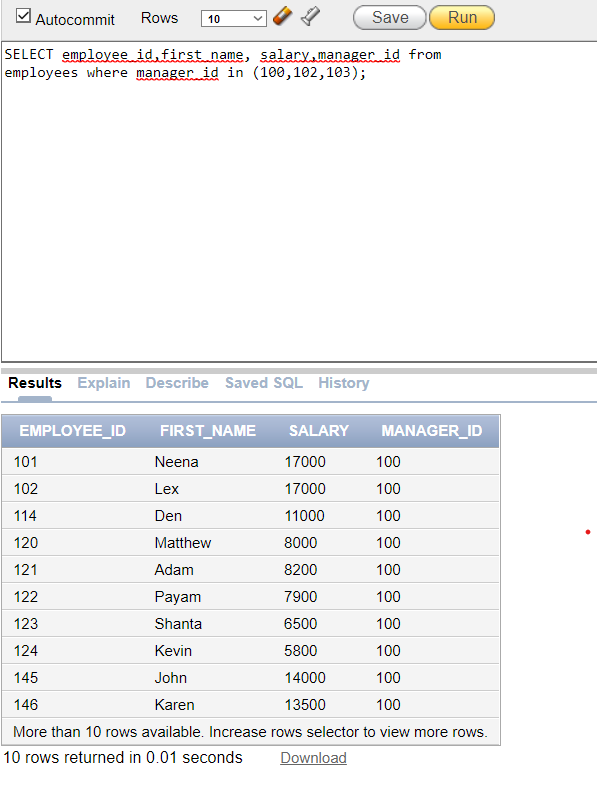
SELECT first\_name, salary from employees where salary<=10000;

****

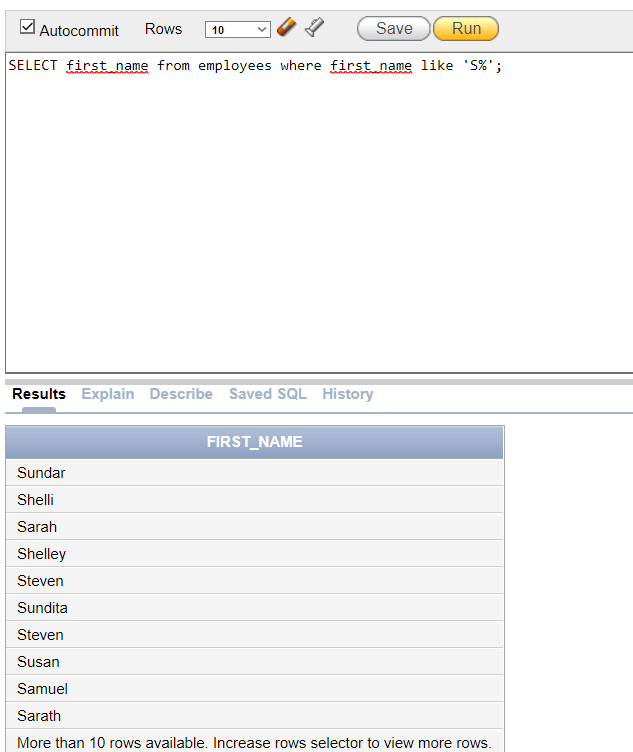
**SELECT first\_name, salary from employees where salary between 1000 and 1500;**

****

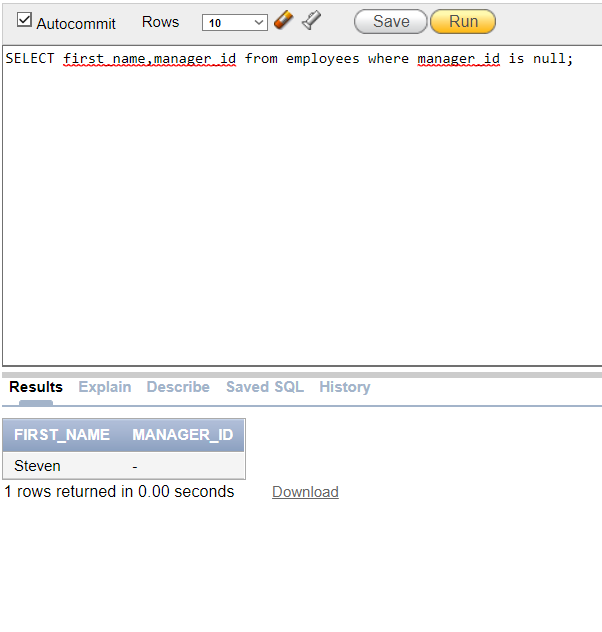
**SELECT employee\_id,first\_name, salary,manager\_id from employees where manager\_id in (100,102,103);**

****

**SELECT first\_name from employees where first\_name like ‘S%’;**

****

**SELECT first\_name,manager\_id from employees where manager\_id is null;**

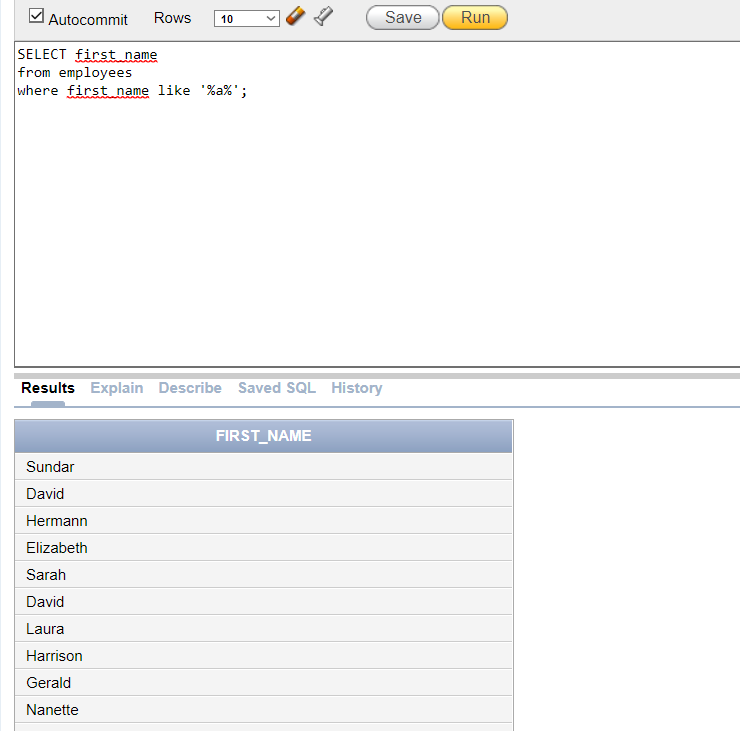
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**Q2 Display all records whose first name contains ‘a’; (2 marks)**

Select first\_name

From employees

Where first\_name like ‘%a%’;

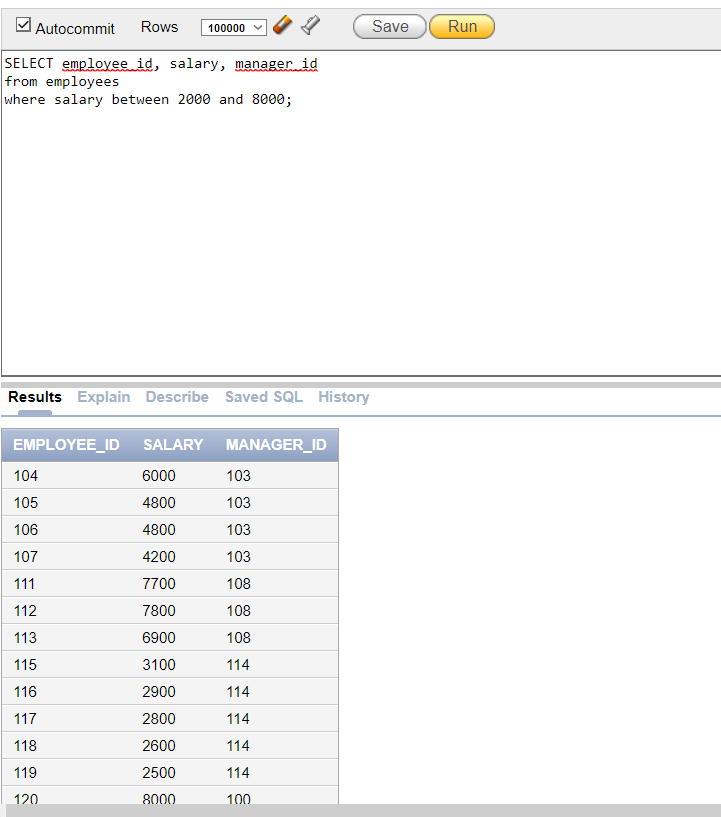
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**Q3 Write a query to display employee number, salary and manager number of those employees Whose salary range 2000 to 8000 (3 marks)**

SELECT employee\_id, salary, manager\_id

from employees

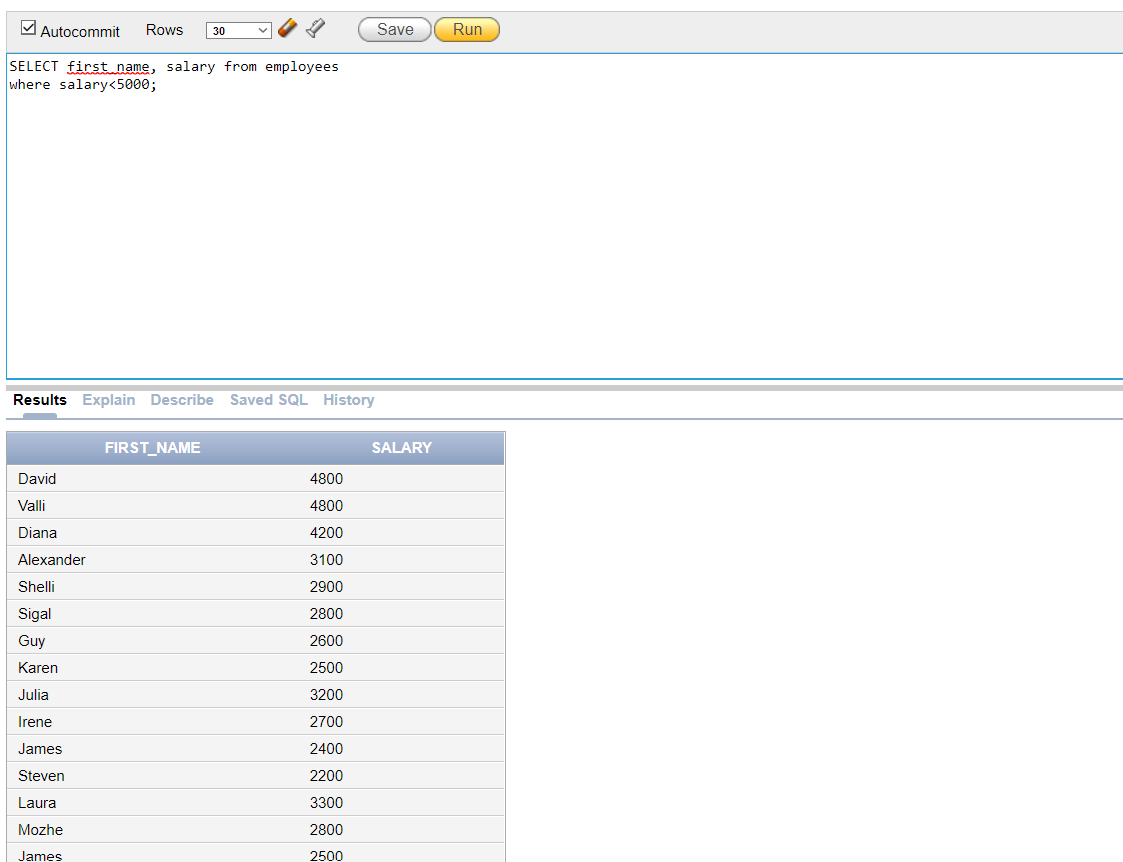
where salary between 2000 and 8000;

****

**Q4 Show all employee record whose salary in less than 5000. (2 marks)**

SELECT first\_name, salary from employees

where salary<5000;

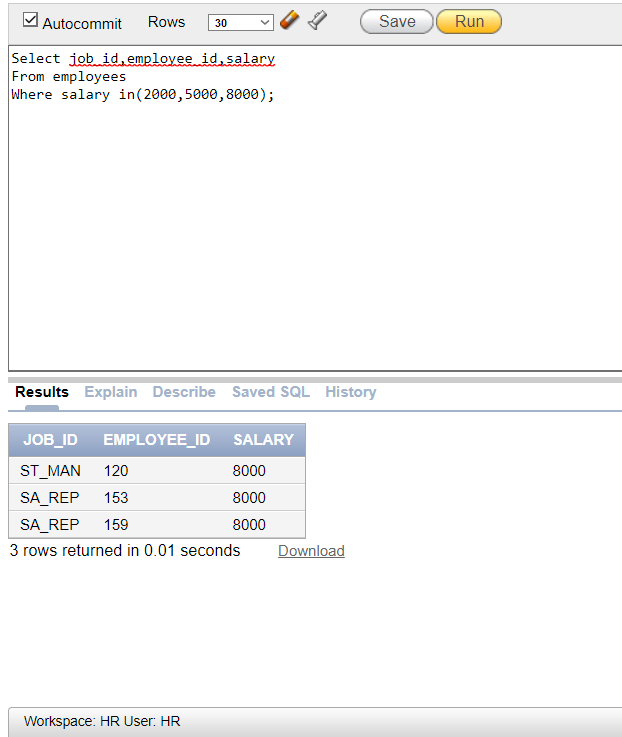
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**Q5 Display job number, employee id and salary of those employee whose salary is 2000, 5000 and 8000 (3 marks).**

Select job\_id,employee\_id,salary

From employees

Where salary in(2000,5000,8000);



**(Q6): Show joining date of those employees whose department no is null.**

Select employee\_id,first\_name, hire\_date, department\_id

From employees

Where department\_id is null;

