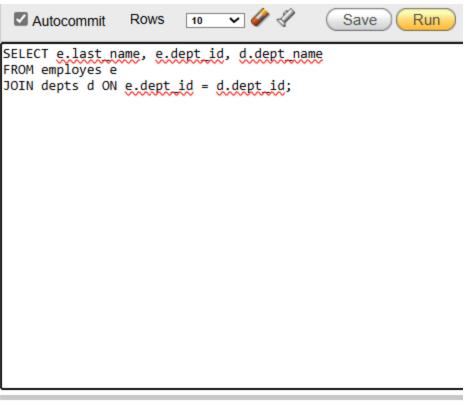
CREATION OF THE REQUIRED TABLES:

```
-- Create the departments table
CREATE TABLE departments (
  department_id INT PRIMARY KEY,
  department_name VARCHAR(50),
  location id INT
);
-- Create the employees table
CREATE TABLE employees (
  employee_id INT PRIMARY KEY,
  last name VARCHAR(50),
  department_id INT,
  manager id INT,
  job_id VARCHAR(10),
  salary DECIMAL(10, 2),
  commission pct DECIMAL(5, 2),
  hire_date DATE,
  FOREIGN KEY (department id) REFERENCES departments(department id)
);
-- Create the jobs table
CREATE TABLE jobs (
  job_id VARCHAR(10) PRIMARY KEY,
 job title VARCHAR(50)
);
-- Create the locations table
CREATE TABLE locations (
  location_id INT PRIMARY KEY,
  city VARCHAR(50)
);
-- Create the job_grades table
CREATE TABLE job grades (
  grade_level VARCHAR(5) PRIMARY KEY,
  lowest salary DECIMAL(10, 2),
  highest_salary DECIMAL(10, 2)
);
```

INSERTING THE VALUES

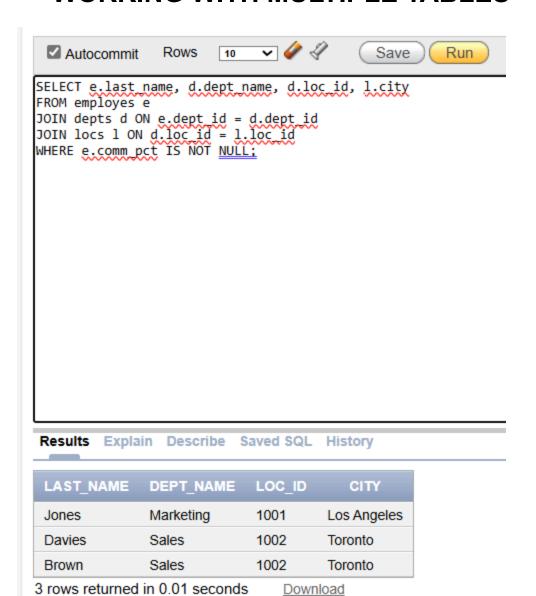
```
-- Insert values into departments
INSERT INTO departments VALUES (10, 'Administration', 1000);
INSERT INTO departments VALUES (20, 'Marketing', 1001);
INSERT INTO departments VALUES (80, 'Sales', 1002);
-- Insert values into employees
INSERT INTO employees VALUES (101, 'Smith', 10, NULL, 'AD PRES', 24000, NULL,
'2003-01-13'):
INSERT INTO employees VALUES (102, 'Jones', 20, 101, 'MK REP', 18000, 0.10,
'2005-05-12');
INSERT INTO employees VALUES (103, 'Davies', 80, 101, 'SA MAN', 12000, 0.15,
'2004-06-23');
INSERT INTO employees VALUES (104, 'King', 80, NULL, 'SA REP', 8000, NULL,
'2006-01-01');
INSERT INTO employees VALUES (105, 'Brown', 80, 103, 'SA REP', 9000, 0.10, '2007-01-11');
-- Insert values into jobs
INSERT INTO jobs VALUES ('AD_PRES', 'President');
INSERT INTO jobs VALUES ('MK REP', 'Marketing Representative');
INSERT INTO jobs VALUES ('SA MAN', 'Sales Manager');
INSERT INTO jobs VALUES ('SA_REP', 'Sales Representative');
-- Insert values into locations
INSERT INTO locations VALUES (1000, 'New York');
INSERT INTO locations VALUES (1001, 'Los Angeles');
INSERT INTO locations VALUES (1002, 'Toronto');
-- Insert values into job grades
INSERT INTO job_grades VALUES ('A', 5000, 10000);
INSERT INTO job grades VALUES ('B', 10001, 15000);
INSERT INTO job grades VALUES ('C', 15001, 20000);
```

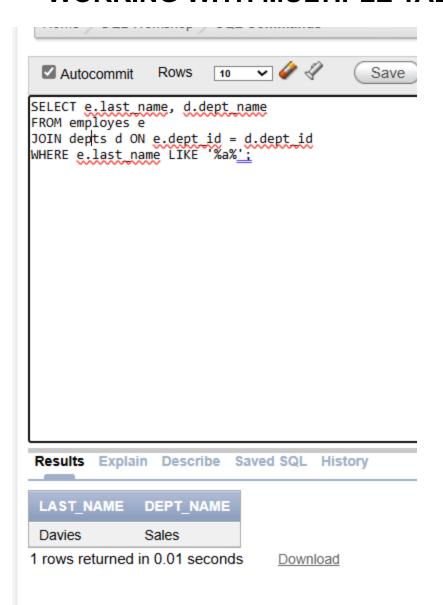


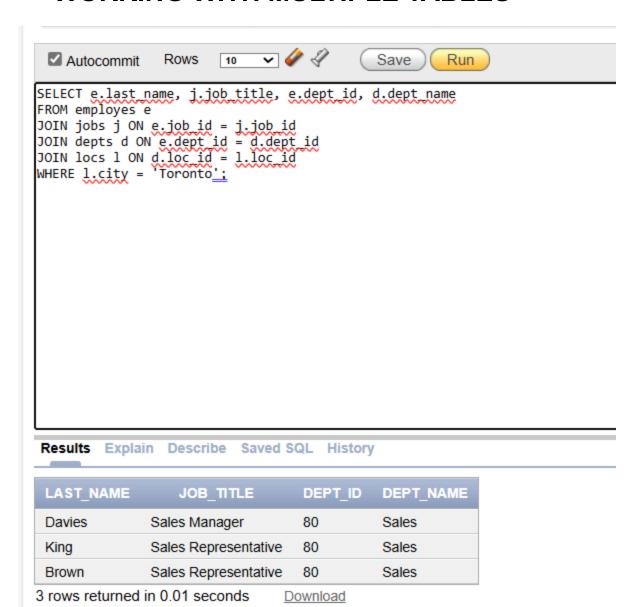
Results Explain Describe Saved SQL History

LAST_NAME	DEPT_ID	DEPT_NAME
Smith	10	Administration
Jones	20	Marketing
Davies	80	Sales
King	80	Sales
Brown	80	Sales

5 rows returned in 0.01 seconds Download





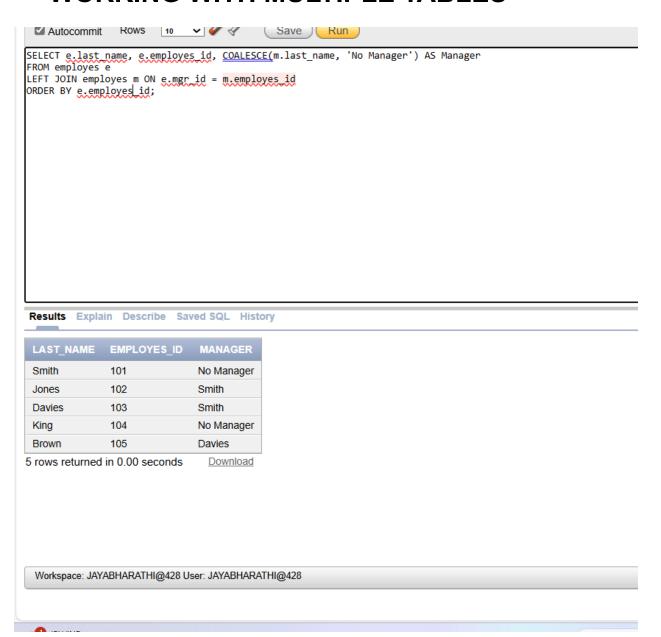


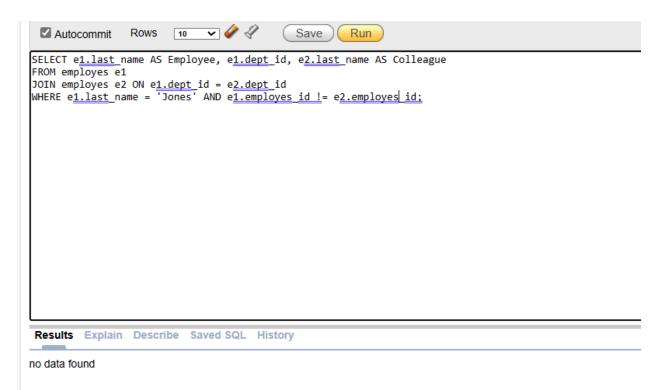
- V Cuit SELECT e.last name AS Employee, e.employes id AS Emp#, m.last name AS Manager, e.mgr id AS Mgr#FROM employes e LEFT JOIN employes m ON e.mgr id = m.employes id;

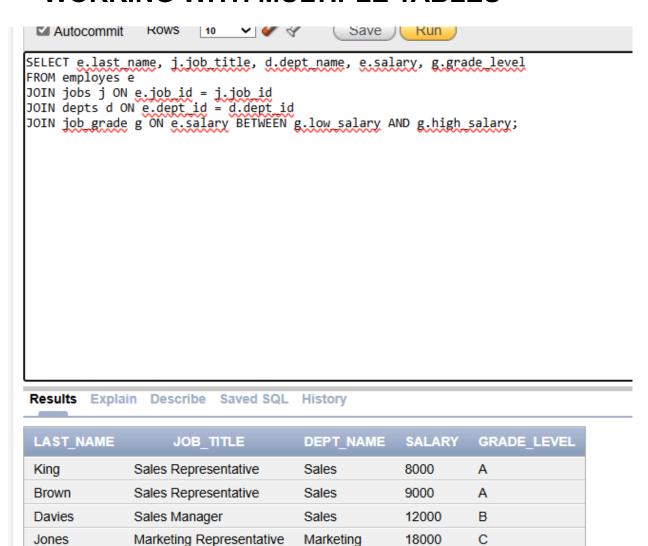
Results Explain Describe Saved SQL History

EMPLOYEE	EMP#	MANAGER	MGR#
Davies	103	Smith	101
Jones	102	Smith	101
Brown	105	Davies	103
King	104	-	-
Smith	101	-	-

5 rows returned in 0.01 seconds Download

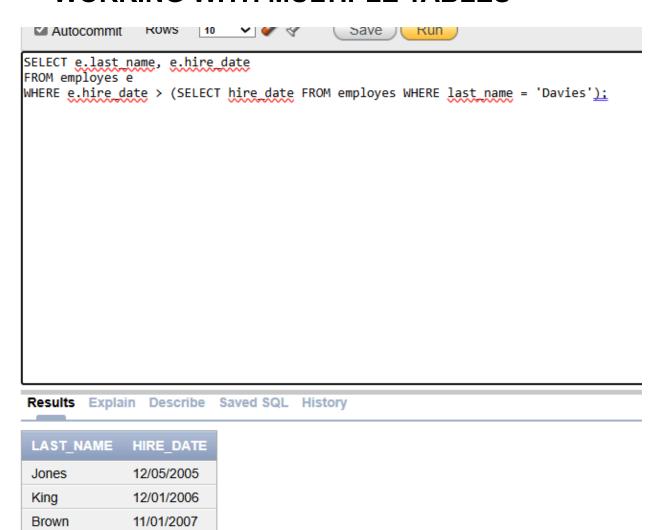






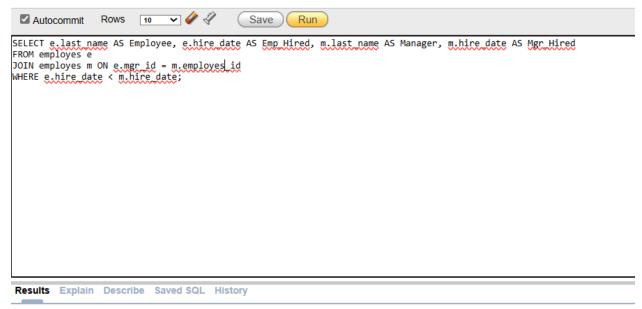
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