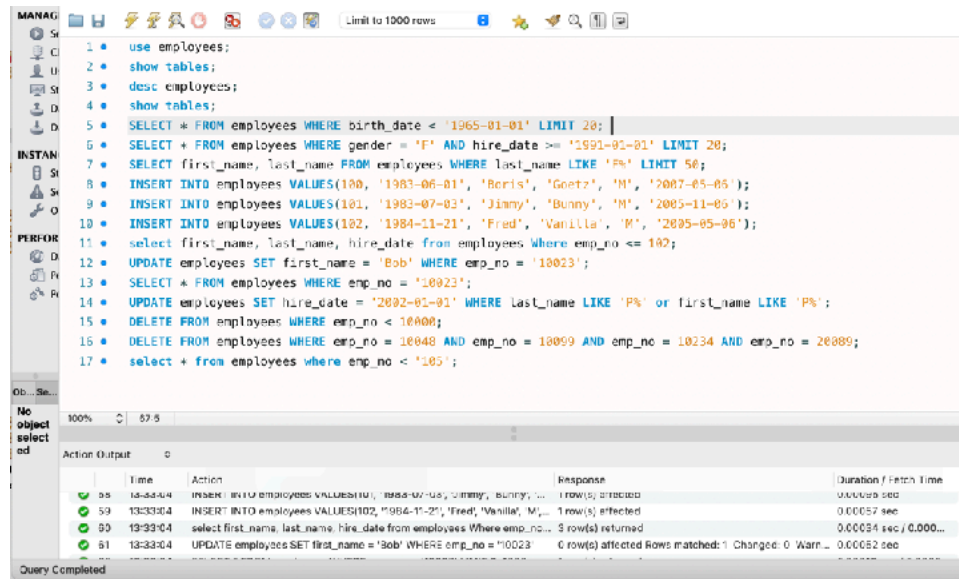
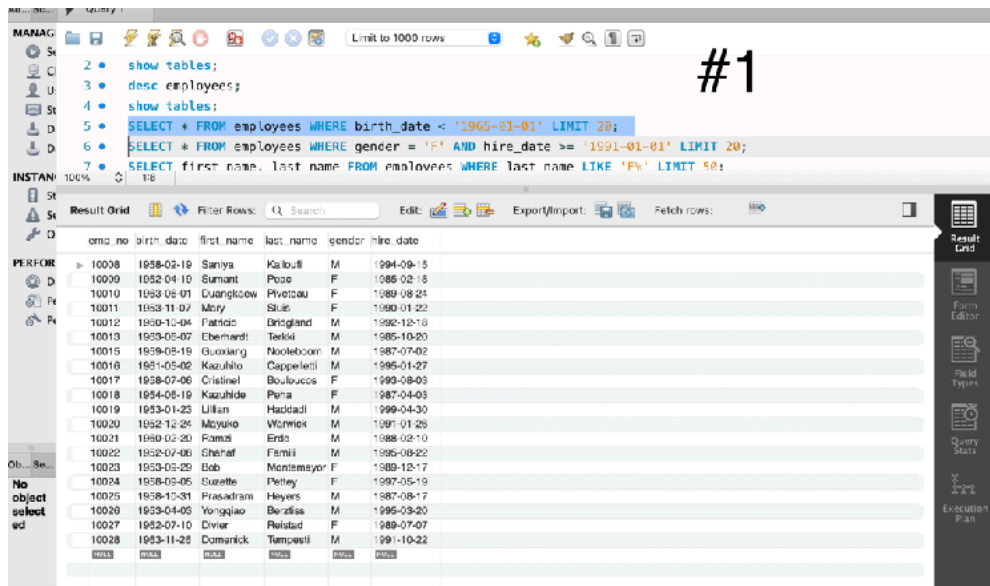


Relational Databases with MySQL Week 1 Coding Assignment

Screenshots of Queries:



#1-8



Show all employees who were born before 1965-01-01

Query 1

```

3 • desc employees;
4 • show tables;
5 • SELECT * FROM employees WHERE birth_date < '1965-01-01' LIMIT 20;
6 • SELECT * FROM employees WHERE gender = 'F' AND hire_date >= '1991-01-01' LIMIT 20;
7 • SELECT first_name, last_name FROM employees WHERE last_name LIKE 'F%' LIMIT 50;
8 • INSERT INTO employees VALUES(100, '1983-06-01', 'Boris', 'Goetz', 'M', '2007-05-06');

```

emp_no	birth_date	first_name	last_name	gender	hire_date
10017	1958-07-06	Cristinel	Buloucos	F	1993-08-03
10024	1958-09-06	Suzette	Petty	F	1997-05-19
10040	1955-09-13	Waiyi	Meiste	F	1993-02-14
10042	1955-02-26	Magy	Stamatou	F	1993-03-21
10044	1061-09-21	Mingsen	Gesley	F	1994-05-21
10048	1961-04-24	Rasil	Tramer	F	1992-05-04
10057	1961-05-30	Ebbe	Callaway	F	1992-01-16
10050	1053-09-10	Alajandro	McAlpine	F	1991-06-26
10101	1952-04-15	Perla	Hoyes	F	1992-12-26
10102	1962-11-01	Paraskovi	Luby	F	1994-01-26
10107	1952-06-13	Dung	Boca	F	1994-03-22
10109	1958-11-25	Mariusz	Prampolini	F	1993-06-16
10114	1957-02-16	Munir	Demeyer	F	1992-07-17
10139	1963-03-03	Ewing	Fairbough	F	1996-07-06
10140	1967-03-11	Lucia	Foong	F	1998-03-15
10141	1967-01-17	Shuhai	Akaiwadi	F	1993-05-06
10186	1963-05-10	Samphai	Siegrist	F	1993-01-01
10190	1061-05-00	Compelli	Snedden	F	1992-07-24
10172	1957-03-25	Stigeeu	Mazien	F	1995-10-13

Show all employees who are female and were hired after 1990

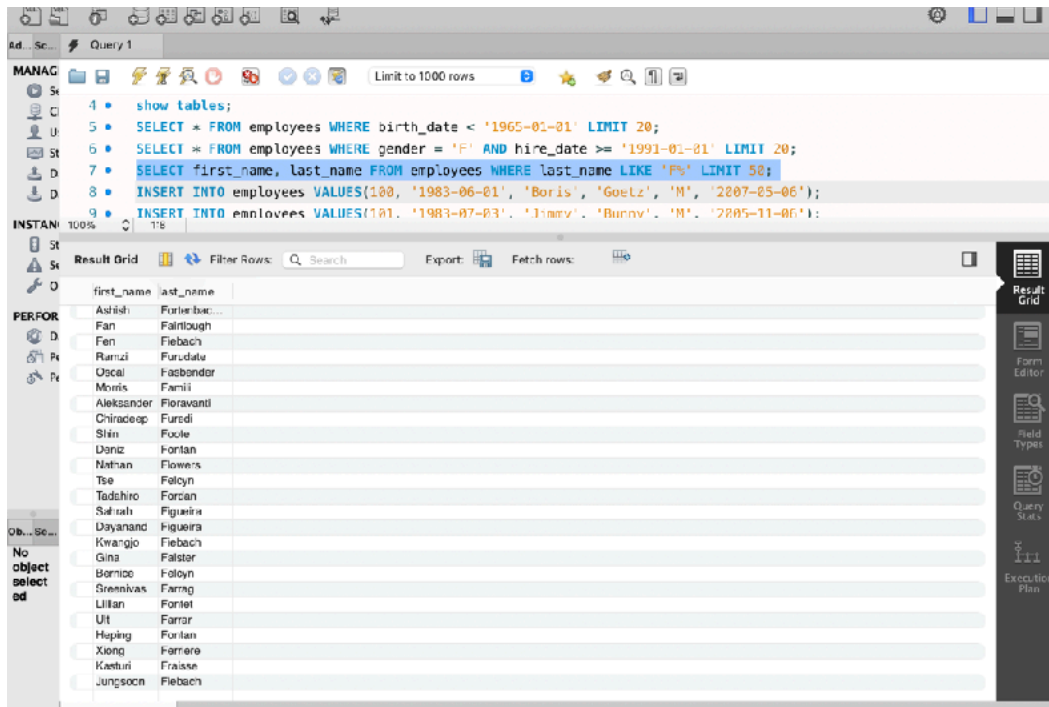
Query 1

```

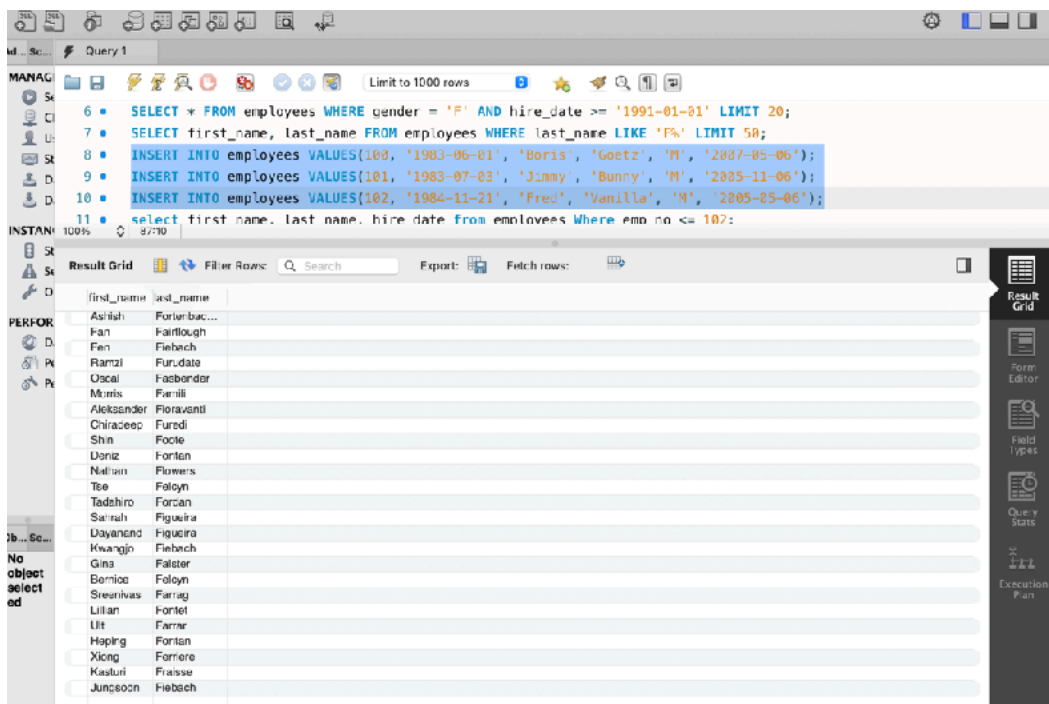
4 • show tables;
5 • SELECT * FROM employees WHERE birth_date < '1965-01-01' LIMIT 20;
6 • SELECT * FROM employees WHERE gender = 'F' AND hire_date >= '1991-01-01' LIMIT 20;
7 • SELECT first_name, last_name FROM employees WHERE last_name LIKE 'F%' LIMIT 50;
8 • INSERT INTO employees VALUES(100, '1983-06-01', 'Boris', 'Goetz', 'M', '2007-05-06');
9 • INSERT INTO employees VALUES(101, '1983-07-03', 'Jimmu', 'Rumny', 'M', '2005-11-06');

```

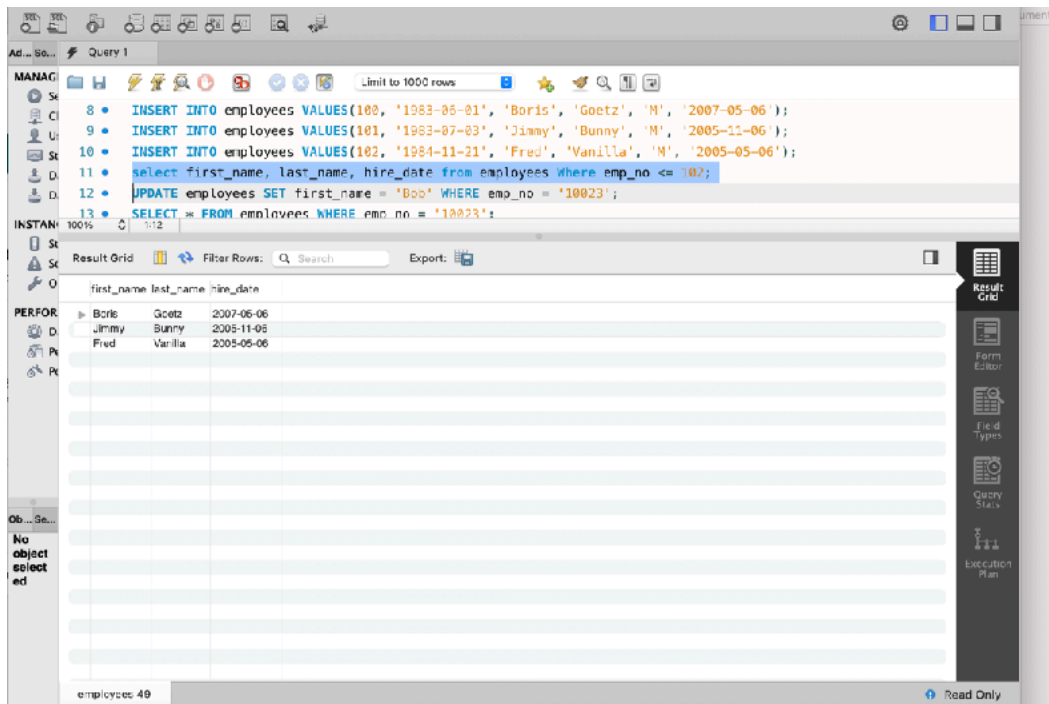
first_name	last_name
Shuhai	Famili
Somnath	Poon
Sucharson	Rastarstein
Armond	Fairbough
Ewing	Foong
Sumali	Hargier
Bacri	Purudate
Arve	Fairbough
Mchua	Falck
Pranav	Huredi
Kish	Fesbender
Foung	Rastarstein
Roded	Facetic
Clyde	Handrianto
Anneli	Frijca
Messaul	Pelrakis
Przemysl...	Pelby
Hicso	Fermili
Lalit	Francisci
Haeja	Friland
Omar	Feinberg
Umal	Fendler
Yuchang	Francisci
Chienyi	Pelkberg
Shin	Pelkholter



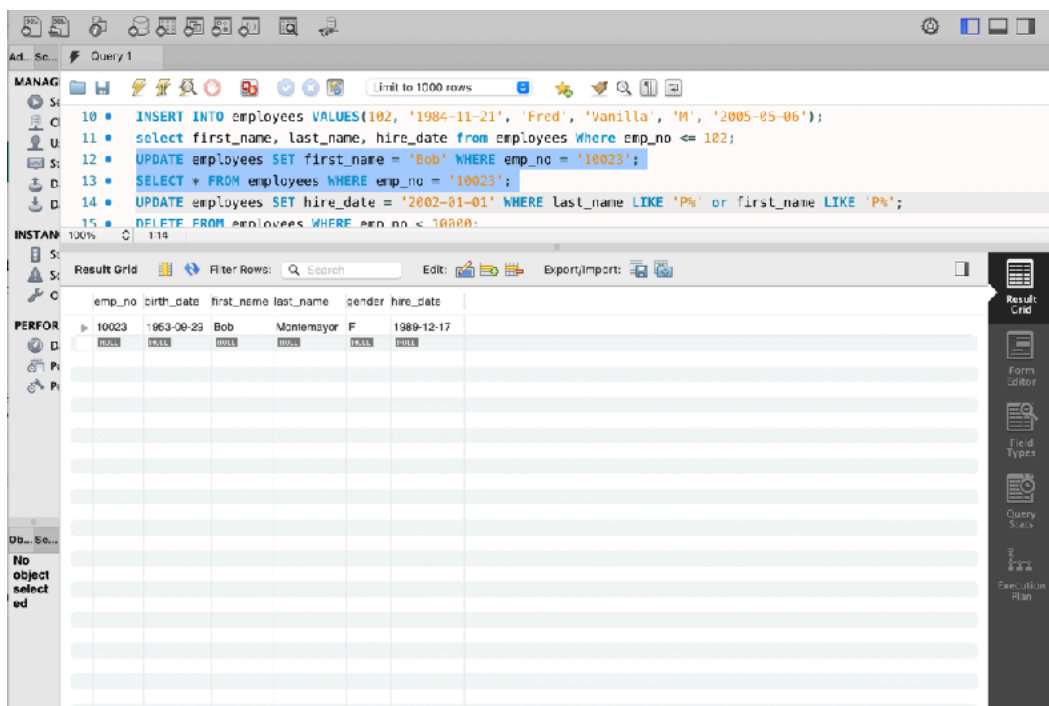
#3 2 of 2



Insert 3 new employees into the employees table.



Proof #4



#5 and proof

MANAGE

Query 1

Limit to 1000 rows

- 1 • use employees;
- 2 • show tables;
- 3 • desc employees;
- 4 • show tables;
- 5 • SELECT * FROM employees WHERE birth_date < '1965-01-01' LIMIT 20;
- 6 • SELECT * FROM employees WHERE gender = 'F' AND hire_date >= '1991-01-01' LIMIT 20;
- 7 • SELECT first_name, last_name FROM employees WHERE last_name LIKE 'F%' LIMIT 50;
- 8 • INSERT INTO employees VALUES(100, '1983-06-01', 'Boris', 'Goetz', 'M', '2007-05-06');
- 9 • INSERT INTO employees VALUES(101, '1983-07-03', 'Jimmy', 'Bunny', 'M', '2005-11-06');
- 10 • INSERT INTO employees VALUES(102, '1984-11-21', 'Fred', 'Vanilla', 'M', '2005-05-06');
- 11 • select first_name, last_name, hire_date from employees where emp_no <= 102;
- 12 • UPDATE employees SET first_name = 'Bob' WHERE emp_no = '10023';
- 13 • SELECT * FROM employees WHERE emp_no = '10023';
- 14 • UPDATE employees SET hire_date = '2002-01-01' WHERE last_name LIKE 'P%' or first_name LIKE 'P%';
- 15 • DELETE FROM employees WHERE emp_no < 10000;
- 16 • DELETE FROM employees WHERE emp_no = 10048 AND emp_no = 10099 AND emp_no = 10234 AND emp_no = 20289;
- 17 • select * from employees where emp_no < '105';

Ob...Se...

No object selected

Action Output

	Time	Action	Response	Duration / Fetch Time
47	13:20:09	SELECT first_name, last_name FROM employees WHERE last_name LI...	50 row(s) returned	0.00016 sec / 0.00016...
48	13:20:09	INSERT INTO employees VALUES(100, '1983-06-01', 'Boris', 'Goetz', 'M'...	Error Code: 1062. Duplicate entry '100' for key 'emplo...	0.00048 sec
49	13:20:11	SELECT * FROM employees WHERE emp_no = 10023 LIMIT 5	1 row(s) returned	0.00032 sec / 0.0000...
50	13:20:31	SELECT * FROM employees WHERE emp_no = 10023 LIMIT 0.1000	1 row(s) returned	0.00039 sec / 0.000...

6

MANAGE

Query 1

Limit to 1000 rows

- 1 • use employees;
- 2 • show tables;
- 3 • desc employees;
- 4 • show tables;
- 5 • SELECT * FROM employees WHERE birth_date < '1965-01-01' LIMIT 20;
- 6 • SELECT * FROM employees WHERE gender = 'F' AND hire_date >= '1991-01-01' LIMIT 20;
- 7 • SELECT first_name, last_name FROM employees WHERE last_name LIKE 'F%' LIMIT 50;
- 8 • INSERT INTO employees VALUES(100, '1983-06-01', 'Boris', 'Goetz', 'M', '2007-05-06');
- 9 • INSERT INTO employees VALUES(101, '1983-07-03', 'Jimmy', 'Bunny', 'M', '2005-11-06');
- 10 • INSERT INTO employees VALUES(102, '1984-11-21', 'Fred', 'Vanilla', 'M', '2005-05-06');
- 11 • select first_name, last_name, hire_date from employees where emp_no <= 102;
- 12 • UPDATE employees SET first_name = 'Bob' WHERE emp_no = '10023';
- 13 • SELECT * FROM employees WHERE emp_no = '10023';
- 14 • UPDATE employees SET hire_date = '2002-01-01' WHERE last_name LIKE 'P%' or first_name LIKE 'P%';
- 15 • DELETE FROM employees WHERE emp_no < 10000;
- 16 • DELETE FROM employees WHERE emp_no = 10048 AND emp_no = 10099 AND emp_no = 10234 AND emp_no = 20289;
- 17 • select * from employees where emp_no < '105';

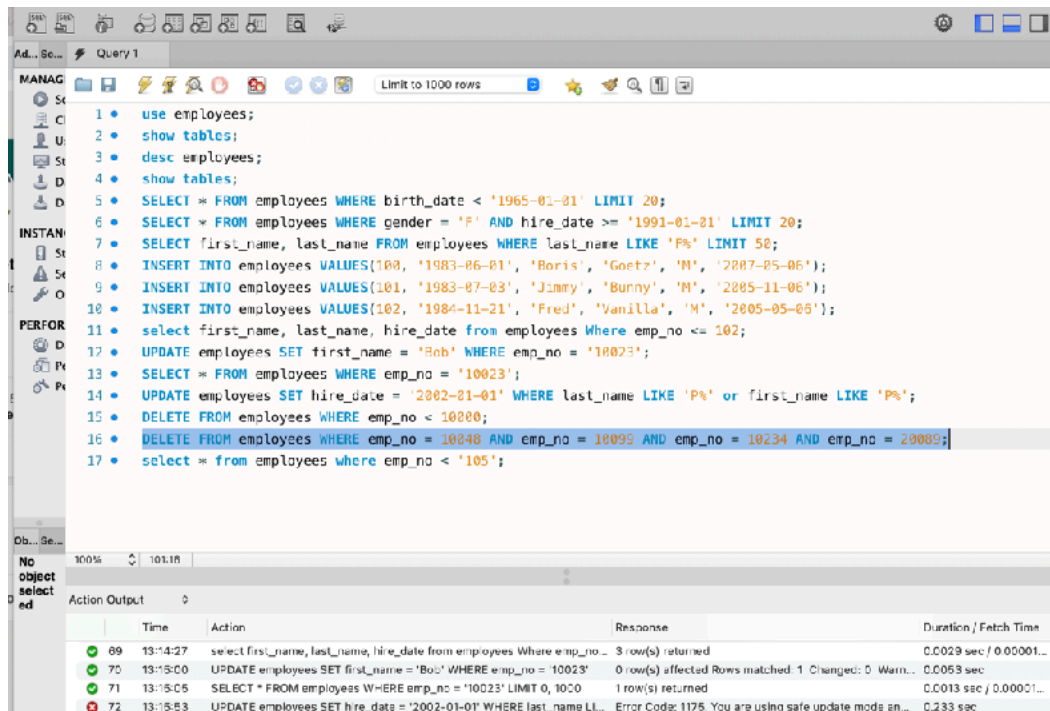
Ob...Se...

No object selected

Action Output

	Time	Action	Response	Duration / Fetch Time
69	13:14:27	select first_name, last_name, hire_date from employees where emp_no...	3 row(s) returned	0.0026 sec / 0.00001...
70	13:15:00	UPDATE employees SET first_name = 'Bob' WHERE emp_no = '10023'	0 row(s) affected Rows matched: 1 Changed: 0 Warn...	0.0063 sec
71	13:15:05	SELECT * FROM employees WHERE emp_no = '10023' LIMIT 0.1000	1 row(s) returned	0.0013 sec / 0.00001...
72	13:15:13	UPDATE employees SET hire_date = '2002-01-01' WHERE last_name LI...	Error Code: 1176. You are using safe update mode an...	0.213 sec

7



8

URL to GitHub Repository:

git@github.com:bgoetz22/MySQLweek1.git

