

David Smith  
STAT 4260  
Assignment 1

1.

- a. Mediumtext
- b. Datetime
- c. Time
- d. Variable-length character, varchar
- e. Timestamp
- f. Tinyint, unsigned
- g. Fixed-length character, char
- h. Int, unsigned

2.

```
CREATE TABLE employees
(employee_id INT,
department_id INT,
fname VARCHAR(20),
lname VARCHAR(20),
department_name VARCHAR(50),
salary MEDIUMINT UNSIGNED,
CONSTRAINT pk_employees PRIMARY KEY (employee_id),
CONSTRAINT fk_employees FOREIGN KEY (department_id)
REFERENCES departments (department_id)
);
```

3.

```
CREATE TABLE suppliers
(supplier_id SMALLINT UNSIGNED,
supplier_name VARCHAR(20),
city VARCHAR(20),
state VARCHAR(20),
CONSTRAINT pk_suppliers PRIMARY KEY (supplier_id)
```

);

```
INSERT INTO suppliers
(supplier_id, supplier_name, city, state)
VALUES (100, 'Microsoft', 'Redmond', 'Washington');
```

```
INSERT INTO suppliers
(supplier_id, supplier_name, city, state)
VALUES (200, 'Google', 'Mountain View', 'California');
```

```
INSERT INTO suppliers
(supplier_id, supplier_name, city, state)
VALUES (300, 'Oracle', 'Redwood City', 'California');
```

```
INSERT INTO suppliers
(supplier_id, supplier_name, city, state)
VALUES (400, 'Kimberly-Clark', 'Irving', 'Texas');
```

```
INSERT INTO suppliers
(supplier_id, supplier_name, city, state)
VALUES (500, 'Tyson Foods', 'Springdale', 'Arkansas');
```

4.

```
UPDATE suppliers
SET city = 'Boise', state = 'Idaho'
WHERE supplier_name = 'Microsoft';
```

5.

```
DELETE FROM suppliers
WHERE state = 'California';
```

6.

```
SELECT city, state FROM suppliers
WHERE supplier_name = 'Oracle';
```

7.

```
SELECT * FROM suppliers;
```

8.

```
DELETE FROM suppliers
WHERE supplier_id < 200;
```

9.

```
SELECT supplier_name FROM suppliers ORDER BY supplier_name;
```