Homework 8

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Problem 1

1. An article from the New Yorker Magazine
    a. LONGTEXT
2. Time of a runner finishing a multi-day competition
    a. DATETIME
3. Time elapsed between births of twins
    a. SMALLINT unsigned (assuming time elapse is small, usually in minutes or seconds; otherwise we could use TIME, which can be calculated using DATEDIFF() function between two birth times of type DATETIME)
4. Car Make
    a. VARCHAR(40)
5. Date and time of homework submission
    a. DATETIME
6. Longest throw from a Quarterback in feet
    a. SMALLINT (unsigned)
7. Whether someone likes beer or not
    a. BOOLEAN
8. UVA id number (not computing id)
    a. CHAR(9)

Problem 2

```
CREATE TABLE employees (
      employee_id INT,
      employee_name VARCHAR(50),
      department_id INT,
      employee_salary INT,
      CONSTRAINT employees_pk PRIMARY KEY (employee_id),
      CONSTRAINT fk_department_id FOREIGN KEY (department_id)
            REFERENCES departments (department_id)
);
```

Problem 3

```
-- DROP TABLE suppliers;
CREATE TABLE suppliers (
        supplier_id CHAR(3),
        supplier_name VARCHAR(50),
        city VARCHAR(40),
        state VARCHAR(30)
);
INSERT INTO suppliers VALUES('100','Microsoft','Redmond','Washington');
INSERT INTO suppliers VALUES('200','Google','Mountain View','California');
INSERT INTO suppliers VALUES('300','Oracle','Redwood City','California');
INSERT INTO suppliers VALUES('400','Kimberly-Clark','Irving','Texas');
INSERT INTO suppliers VALUES('500','Tyson Foods','Springdale','Arkansas');
```

Problem 4

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

Problem 5

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