ASSIGNMENT 1:

Due date: Feb 7, 2017 (not extendable)

1. **Write a lex/flex code for a language (SQL) having the following features:**

- CREATE TABLE <table name> (<attribute> <column type> <constraints>, …)
- SELECT <query>
  query may contains nested SELECT <query>
- INSERT INTO <table name><optional attributes> VALUES <value, …>
- UPDATE <table name> SET <attribute=value, …> WHERE <conditions>
  conditions may contain nested SELECT <query>
- DELETE FROM <table name> WHERE <conditions>
- DROP TABLE <table name >
- ALTER TABLE <table name > DROP COLUMN <column name>
- ALTER TABLE <table name> ADD <column name> <column definition>

2. **Also write a C code for the accepter for the features as explained.**