CSC 2212 (Database Systems) Fall 2024 Final Exam – Part B Liza Nikitsenka

1.

```
ynikitsenka@spock: $ cd csc2212
ynikitsenka@spock:~/csc2212$ ls
Ch01-DB-Systems-3 Ch03-Relational-DB-Model Ch07-Intro-to-SQL
ynikitsenka@spock:~/csc2212$ cd Ch07-Intro-to-SQL
ynikitsenka@spock:~/csc2212/Ch07-Intro-to-SQL$ ls
 Ch07_ConstructCo.mdb
                              Ch07_Fact_SQL.sql
                                                        Ch07_SaleCo_ORA.sql
 Ch07_ConstructCo_MySQL.sql
                              Ch07_LargeCo.mdb
                                                        Ch07_SaleCo_SQL.sql
 Ch07_ConstructCo_ORA.sql
                              Ch07_LargeCo_MySQL.sql mysaleco.db
 Ch07_ConstructCo_SQL.sql
                                                       mytest.db
                              Ch07_LargeCo_ORA.sql
 Ch07_Fact.mdb
                              Ch07_LargeCo_SQL.sql
                                                       'not used'
 Ch07_Fact_MySQL.sql
                              Ch07_SaleCo.accdb
                              Ch07_SaleCo_MySQL.sql
 Ch07_Fact_ORA.sql
ynikitsenka@spock:~/csc2212/Ch07-Intro-to-SQL$ vi Ch07_Fact_MySQL.sql
ynikitsenka@spock:~/csc2212/Ch07-Intro-to-SQL$ sqlite3 Exam.db < Ch07_Fact_MySQL.sql
Parse error near line 3: near "DATABASE": syntax error
  DROP DATABASE IF EXISTS CH07_FACT;
       ^--- error here
Parse error near line 5: near "DATABASE": syntax error
  CREATE DATABASE CH07_FACT;
         ^--- error here
Parse error near line 7: near "USE": syntax error
  USE CH07_FACT;
  ^--- error here
ynikitsenka@spock:~/csc2212/Ch07-Intro-to-SQL$ vi Ch07_Fact_MySQL.sql
ynikitsenka@spock:~/csc2212/Ch07-Intro-to-SQL$ rm Exam.db
ynikitsenka@spock:~/csc2212/Ch07-Intro-to-SQL$ sqlite3 Exam.db < Ch07_Fact_MySQL.sql
ynikitsenka@spock:~/csc2212/Ch07-Intro-to-SQL$ sqlite3 Exam.db
SQLite version 3.41.2 2023-03-22 11:56:21
Enter ".help" for usage hints.
sqlite> .schema
CREATE TABLE AUTHOR (
  AU_ID
               NUMERIC(7,0) PRIMARY KEY,
  AU_FNAME
               VARCHAR(30) NOT NULL ,
  AU_LNAME
               VARCHAR(30) NOT NULL ,
  AU_BIRTHYEAR NUMERIC(4)
);
CREATE TABLE PATRON (
  PAT_ID
              NUMERIC(10,0) PRIMARY KEY,
  PAT_FNAME VARCHAR(20) NOT NULL ,
  PAT_LNAME VARCHAR(20) NOT NULL
  PAT_TYPE
             VARCHAR(10) NOT NULL
CREATE TABLE BOOK (
  BOOK_NUM NUMERIC(10,0) PRIMARY KEY,
  BOOK_TITLE VARCHAR(120) NOT NULL ,
  BOOK_YEAR NUMERIC(4)
  BOOK_COST NUMERIC(8,2)
CREATE TABLE BOOK (
  BOOK_NUM NUMERIC(10,0) PRIMARY KEY,
  BOOK_TITLE VARCHAR(120) NOT NULL ,
  BOOK_YEAR NUMERIC(4)
  BOOK_COST NUMERIC(8,2)
  BOOK_SUBJECT VARCHAR(120)
  PAT_ID NUMERIC(10),
  FOREIGN KEY(PAT_ID) REFERENCES PATRON(PAT_ID)
CREATE TABLE CHECKOUT (
                   NUMERIC(15) PRIMARY KEY,
  CHECK_NUM
  BOOK_NUM
                   NUMERIC(10),
  PAT_ID
                   NUMERIC(10),
  CHECK_OUT_DATE
                   DATE,
  CHECK_DUE_DATE
                   DATE,
  CHECK_IN_DATE
                   DATE,
  FOREIGN KEY (BOOK_NUM) REFERENCES BOOK(BOOK_NUM),
  FOREIGN KEY (PAT_ID) REFERENCES PATRON(PAT_ID)
CREATE TABLE WRITES (
  BOOK_NUM NUMERIC(10),
  AU_ID
           NUMERIC(7),
  CONSTRAINT WRITES_BOOK_AU_PK PRIMARY KEY (BOOK_NUM, AU_ID),
  CONSTRAINT WRITES_BOOK_NUM_FK FOREIGN KEY(BOOK_NUM) REFERENCES BOOK(BOOK_NUM),
  CONSTRAINT WRITES_AU_ID_FK FOREIGN KEY(AU_ID) REFERENCES AUTHOR(AU_ID)
sqlite>
```