

Homework 1

Question 2

```
CREATE TABLE BOOK (  
    isbn: INTEGER,  
    title: CHAR(100),  
    front_cover_type: CHAR(100),  
    num_pages: INTEGER,  
    price: REAL,  
    payment_method: CHAR(100),  
    purchase_date: DATE,  
    bought_by: INTEGER,  
    borrow_date: DATE,  
    return_date: DATE,  
    borrowed_by: INTEGER,  
    PRIMARY KEY (ISBN),  
    FOREIGN KEY bought_by REFERENCES CUSTOMER  
    FOREIGN KEY borrowed_by REFERENCES REGISTERED_CUSTOMER  
)  
  
CREATE TABLE AUTHOR (  
    id: INTEGER,  
    name: CHAR(100),  
    PRIMARY KEY (id)  
)  
  
CREATE TABLE CUSTOMER (  
    id: INTEGER,  
    name: CHAR(100),  
    PRIMARY KEY (id)  
)  
  
CREATE TABLE REGISTERED_CUSTOMER (  
    id: INTEGER,  
    reg_date: DATE,  
    PRIMARY KEY (id),  
    FOREIGN KEY id REFERENCES CUSTOMER  
)  
  
CREATE TABLE VISITING_CUSTOMER (  
    id: INTEGER,  
    address: CHAR(100),  
    phone_number: CHAR(100),  
    PRIMARY KEY (id),  
    FOREIGN KEY id REFERENCES CUSTOMER  
)  
  
CREATE TABLE WRITTEN_BY (  
    book_isbn: INTEGER,  
    author_id: INTEGER,  
    PRIMARY KEY (book_isbn, author_id),  
    FOREIGN KEY book_isbn REFERENCES BOOK,  
    FOREIGN KEY author_id REFERENCES AUTHOR  
)
```

```
CREATE TABLE EMAIL_ADDRESSES (  
  customer_id: INTEGER,  
  email_address: CHAR(100),  
  PRIMARY KEY (customer_id, email_address),  
  FOREIGN KEY customer_id REFERENCES CUSTOMER  
)
```