

## CS2102 TUTORIAL 2

Gabriel Teo

A0184480B

3a) create table Books (

    isbn           text ,  
    title          text   not null,  
    authors        text   not null,  
    year           integer  
    edition        text   not null  
        check (edition in ("paperback", "hardcover", "ebook")),  
    publisher       text ,  
    number\_pages   integer  
        check ((number\_pages is null) or (number\_pages > 0)),  
    price           numeric not null  
        check (price > 0),  
    primary key (isbn)  
);

create table Customers (

    cust\_id       integer ,  
    name           text   not null,  
    email           text ,  
    primary key (cust\_id)  
);

create table Carts (

    cust\_id       integer  
    isbn           text  
    foreign key (cust\_id)  
        references Customers (cust\_id),  
    foreign key (isbn)  
        references Books (isbn)  
);

```
create table Orders (
    order-id      integer,
    order-date    date,
    cust-id       integer,
    primary key (order-id),
    foreign key (cust-id)
        references Customers (cust-id)
);
```

```
create table Order_items (
    order-id      integer,
    isbn          text,
    foreign key (order-id)
        references Orders (order-id),
    foreign key (isbn)
        references Books (isbn)
);
```