1. Create the above tables by properly specifying the primary keys and the foreign keys.

```
create table cheque
     cnum int primary key,
     cdate date,
     camount int
);
create table section
     scode int primary key,
     sname varchar(30)
);
create table vender
     vnum int primary key,
     vname varchar(30),
     vaddress varchar(30)
);
create table voucher
     vouchnum int primary key,
     vouchdate date,
     vennum int,
     chqnum int,
     constraint Fk vennum
     foreign key(vennum) references vender(vnum),
     constraint FK chqnum
     foreign key(chqnum) references cheque(cnum)
);
create table item
     icode int primary key,
     idesc varchar(20),
     unit price number (8,2),
     eqq int,
     rol int,
     soh int,
     boq int
);
create table indent
     inum int primary key,
```

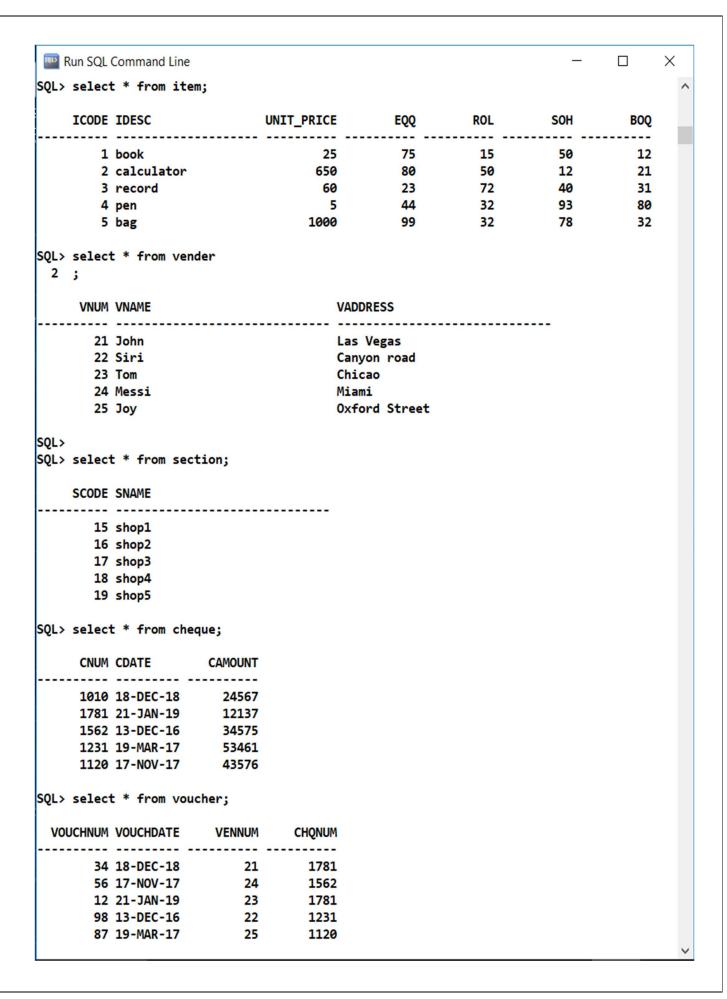
```
gtdmd int,
     qtissued int,
     seccode int,
     itemcode int,
     constraint FK seccode
     foreign key(seccode) references section(scode),
     constraint Fk itemcode
     foreign key(itemcode) references item(icode)
);
create table orders
     onum int primary key,
     odate date,
     voucher num int,
     vender num int,
     due date date,
     constraint FK voucher
     foreign key(voucher num) references voucher(vouchnum) on delete
     set null,
     constraint FK vender
     foreign key(vender num) references vender(vnum)
);
create table ordering
     ordernum int,
     itemcode int,
     quantity int,
     constraint FK icode
     foreign key(itemcode) references item(icode)
);
```

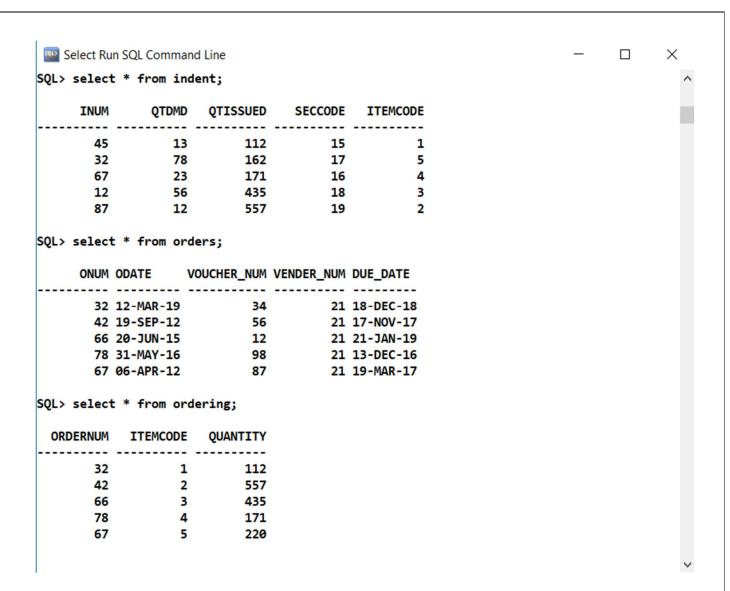
## 2. Enter at least five tuples for each relation.

```
#item_table
insert into item values('01','book','25.00',75,15,50,12);
insert into item values('02','calculator','650.00',80,50,12,21);
insert into item values('03','record','60.00',23,72,40,31);
insert into item values('04','pen','5.00',44,32,93,80);
insert into item values('05','bag','1000.00',99,32,78,32);

#vender_table
insert into vender values('21','John','Las Vegas');
insert into vender values('22','Siri','Canyon road');
insert into vender values('23','Tom','Chicao');
```

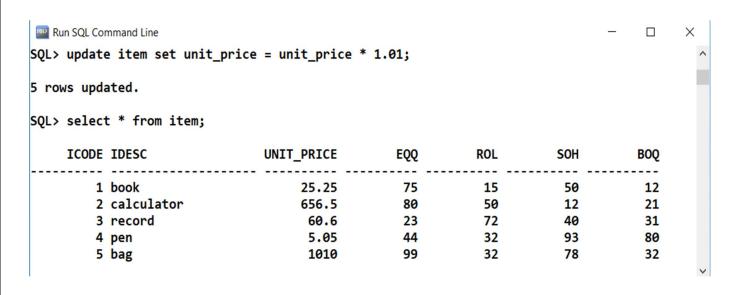
```
insert into vender values('24','Messi','Miami');
insert into vender values('25','Joy','Oxford Street');
#section table
insert into section values('15','shop1');
insert into section values('16','shop2');
insert into section values('17','shop3');
insert into section values('18','shop4');
insert into section values('19','shop5');
#cheque table
insert into cheque values(1010,'18-DEC-2018',24567.00);
insert into cheque values (1781, '21-JAN-2019', 12137.00);
insert into cheque values (1562, '13-DEC-2016', 34575.00);
insert into cheque values (1231, '19-MAR-2017', 53461.00);
insert into cheque values (1120, '17-NOV-2017', 43576.00);
#voucher table
insert into voucher values (34, '18-DEC-2018', 21, 1781);
insert into voucher values (56, '17-NOV-2017', 24, 1562);
insert into voucher values (12, '21-JAN-2019', 23, 1781);
insert into voucher values (98, '13-DEC-2016', 22, 1231);
insert into voucher values (87, '19-MAR-2017', 25, 1120);
#indent table
insert into indent values (45, 13, 112, 15, 1);
insert into indent values (32,78,162,17,5);
insert into indent values (67, 23, 171, 16, 4);
insert into indent values (12, 56, 435, 18, 3);
insert into indent values (87,12,557,19,2);
#orders table
insert into orders values('32','12-MAR-2019','34','21','18-DEC-2018');
insert into orders values('42','19-SEP-2012','56','21','17-NOV-2017');
insert into orders values('66','20-JUN-2015','12','21','21-JAN-2019');
insert into orders values('78','31-MAY-2016','98','21','13-DEC-2016');
insert into orders values('67','06-APR-2012','87','21','19-MAR-2017');
#ordering table
insert into ordering values('32','01','112');
insert into ordering values('42','02','557');
insert into ordering values('66','03','435');
insert into ordering values('78','04','171');
insert into ordering values('67','05','220');
```





3. Increase the unit price by 1% for all items.

update item set unit price = unit price \* 1.01;



4. Add check constraint to Unit Price in Item table, which should allow only positive values.

alter table item add constraint ck\_unit\_price
check(unit price > 0);

