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

```
/*Item table creation*/
create table item
(
    item_code int not null,
    item_desc varchar(20) not null,
    unit_price number(5, 2),
    eoq int,
    rol int,
    soh int,
    back_order_qty int,
    constraint pk_item primary key(item_code)
);

/*Order table creation*/
create table order_table
(
    order_no int not null,
    item_code int,
    qty_rec int,
    constraint pk_order primary key(order_no),
    constraint fk_order_item foreign key(item_code) references item(item_code) on
delete set null
);

/*Vendor table creation*/
create table vendor
(
    vendor_no int not null,
    vendor_name varchar(10),
    vendor_addr varchar(10),
    constraint pk_vendor primary key(vendor_no)
);

/*Section table creation*/
create table section
(
    section_code int not null,
    section_name varchar(10),
    constraint pk_section primary key(section_code)
);

/*Indent table creation*/
```

```sql
create table indent
(
    indent_no int not null,
    qty_dmd int,
    qty_issued int,
    section_code int,
    item_code int,
    constraint pk_indent primary key(indent_no),
    constraint fk_indent_item foreign key(item_code) references item(item_code) on
delete set null,
    constraint fk_indent_section foreign key(section_code) references
section(section_code) on delete set null
);

/*Cheque table creation*/
create table cheque
(
    cheque_no int not null,
    cheque_date date,
    cheque_amt number(5, 2),
    constraint pk_cheque primary key(cheque_no)
);

/*Voucher table creation*/
create table voucher
(
    voucher_no int not null,
    voucher_date date,
    vender_no int,
    cheque_no int,
    constraint pk_voucher primary key(voucher_no),
    constraint fk_voucher_vender foreign key(vender_no) references vendor(vender_no)
on delete set null,
    constraint fk_voucher_cheque foreign key(cheque_no) references cheque(cheque_no)
on delete set null
);

/*Ordering relation creation*/
create table ordering
(
    order_no int,
    item_code int,
    qty_rec int,
    constraint pk_ordering primary key(order_no, item_code),
```

```
    constraint fk_ordering_order_table foreign key(order_no) references
order_table(order_no) on delete set null,
    constraint fk_ordering_item foreign key(item_code) references item(item_code) on
delete set null
);
```

2. Enter at least five tuples for each relation.

```
/*Data insertion into item table : */
insert into item
values(
        1,
        'bread',
        10.0,
        100,
        100,
        4,
        0
);

insert into item
values(
        2,
        'garlic',
        20.0,
        200,
        100,
        4,
        3
);

insert into item
values(
        3,
        'iPhone',
        20.0,
        100,
        100,
        4,
        0
);

insert into item
values(
```

```sql
        4,
        'relic',
        13.0,
        100,
        100,
        4,
        0
);

insert into item
values(
        5,
        'book',
        3.0,
        100,
        100,
        0,
        0
);

/*Data insertion into order table : */
insert into order_table
values(
        1,
        1,
        3
);

insert into order_table
values(
        2,
        3,
        5
);

insert into order_table
values(
        3,
        4,
        5
);

insert into order_table
values(
        4,
```

```sql
        3,
        3
);

insert into order_table
values(
        5,
        2,
        3
);

/*Data insertion into Vendor table : */

insert into vendor
values(
        1,
        'RMZ',
        'Bengaluru'
);
insert into vendor
values(
        2,
        'Kishen',
        'Bengaluru'
);
insert into vendor
values(
        3,
        'Mylara',
        'Tumakuru'
);
insert into vendor
values(
        4,
        'Karthiken',
        'Bengaluru'
);
insert into vendor
values(
        5,
        'JBT',
        'Tumakuru'
);

/*Data insertion into section : */
```

```sql
insert into section
values(
        1,
        'block'
);
insert into section
values(
        3,
        'Medicine'
);
insert into section
values(
        2,
        'D wing'
);
insert into section
values(
        4,
        'Jordon'
);
insert into section
values(
        5,
        'Kevlar'
);

/*Data insertion into indent table : */

insert into indent
values(
        1,
        200,
        34,
        1,
        1
);
insert into indent
values(
        2,
        38,
        12,
        2,
        1
);
insert into indent
```

```sql
values(
        3,
        270,
        32,
        3,
        4
);
insert into indent
values(
        4,
        200,
        34,
        1,
        1
);
insert into indent
values(
        5,
        237,
        3,
        1
);

/*Data insertion into cheque table : /

insert into cheque
values(
        1234,
        '18-DEC-2019',
        576.7
);
insert into cheque
values(
        2323,
        '17-OCT-2018',
        786.6
);
insert into cheque
values(
        3214,
        '01-NOV-2017',
        729.8
);
insert into cheque
values(
```

```sql
        4444,
        '17-DEC-2016',
        127.0
);
insert into cheque
values(
        4091,
        '26-AUG-2009',
        178.8
);

/*Data insertion into voucher table : */

insert into voucher
values(
        1,
        '12-JAN-2018',
        2,
        1234
);
insert into voucher
values(
        2,
        '02-JAN-2018',
        3,
        3214
);
insert into voucher
values(
        3,
        '22-OCT-2018',
        2,
        1234
);
insert into voucher
values(
        4,
        '12-JUN-2018',
        3,
        3214
);
insert into voucher
values(
        5,
        '27-FEB-2018',
```

```
        1,
        1234
);

/*Data insertion ordering table : */

insert into ordering
values(
        1,
        2,
        2
);
insert into ordering
values(
        1,
        1,
        13
);
insert into ordering
values(
        3,
        1,
        10
);
insert into ordering
values(
        1,
        4,
        7
);
insert into ordering
values(
        4,
        1,
        6
);
```

3. Increase the unit price by 1% for all items
```
update item set unit_price = 0.99*unit_price;
```

4. Add check constraint to Unit Price in Item table, which should allow only positive values.
```
alter table item add constraint chq_unit_price check(unit_price >= 0);
```