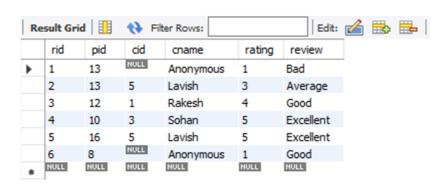
create table book(

```
book_id int not null auto_increment,
  book_p_id int not null,
  book_c_id int not null default 1,
  book_author varchar(100) not null,
  book_publ_date date not null,
  primary key (book_id),
  foreign key (book_p_id) references prod_details(p_id) on delete cascade,
  foreign key (book_c_id) references category(cat_id) on delete cascade
);
insert into book (book_p_id, book_author, book_publ_date)
values
       (1, 'Franz Kafka', '2007-01-01');
insert into book (book_p_id, book_author, book_publ_date)
values
       (2, 'Franz Kafka', '2017-11-01'),
       (3, 'Jaya Dev', '2018-11-01'),
       (4, 'Jayaprakash Narayan', '1997-11-01'),
       (5, 'G. B. Shaw', '2000-11-01');
```

Problem-2

```
delete from customer where cust_id = 6;
update review
set
    cname = 'Anonymous'
where cid is null and cname is not null;
```

Note: on delete set default is not supporting on my current db so I used this method.



Problem-3

```
UPDATE prod_details

SET

p_price = (p_price * 0.9)

WHERE

p_vvv_count < 10 AND p_price > 5000 AND p_price
```

p_vw_count < 10 AND p_price > 5000 AND TIMESTAMPDIFF(MONTH, p_vw_date, CURDATE()) < 3;

```
Problem-4
```

```
insert into cust_address (cust_id, city, state)
values
(1, 'Mumbai', 'Maharashtra'),
(1, 'Pune', 'Maharashtra');
```

select ret_name as 'Name', ret_email as 'Email-id' from retailer where ret_city = 'Delhi';

Problem - 6

```
select cust_name as 'Name', sum(TotalPurchase) as 'Total Amount' from customer natural join cust_address, (select ord_cust_id, sum(ord_prd_qunt*p_price) as 'TotalPurchase' from orders natural join ord_details, prod_details where ord_prd_id = p_id group by ord_id having sum(ord_prd_qunt*p_price) >= 5000 ) as P where customer.cust_id = p.ord_cust_id and city = 'Mumbai' group by cust_id
```

Problem-7

```
select p_name as 'Product Name', p_price as 'Product Price', b_name as 'Brand Name' from prod_details, brand where prod_details.p_b_id = brand.b_id and (p_name like '% Apple%' or p_name like '% Xioami%');
```

Problem-8

Problem-9

```
select p_name as 'Product Name', p_price as 'Product Price', cart_prd_qunt as 'Quantity' from prod_details, carts natural join cart_details where cart_cust_id = 2 and cart_prd_id = p_id
```

select p_name as 'Book Name', book_publ_date as 'Published Date' from prod_details, book where prod_details.p_type = 'book' and prod_details.p_id = book.book_p_id and TIMESTAMPDIFF(MONTH, '2001-01-01', book_publ_date)>=0;

Problem-11

select p_name as 'Product Name', p_price as 'Product Price' from prod_details where p_cat_id = 2 and p_price between 10000 and 50000;

Probem-12

select p_name as 'Furniture Name' from prod_details, retailer where prod_details.p_cat_id = 3 and prod_details.p_vndr_id = retailer.ret_id and retailer.ret_name = 'IKea';

Problem-13

```
select p_name as 'Product Name', p_price as 'Product Price' from prod_details where p_cat_id = 2 and p_type = 'Laptop' order by p_price asc;
```

Problem -14

select * from prod_details where TIMESTAMPDIFF(MONTH, '2000-07-09', p_add_dt)>=0;

Problem-15

select p_name as 'Book Name'
from prod_details, book
where prod_details.p_type = 'book' and prod_details.p_id = book.book_p_id and book_author='Franz Kafka';

Problem-16

```
select cust_name as 'Name', cust_email as 'Email-id', sum(cart_prd_qunt) as 'Quantity' from customer, carts natural join cart_details where customer.cust_id = carts.cart_cust_id group by cust_id having sum(cart_prd_qunt)<3
```

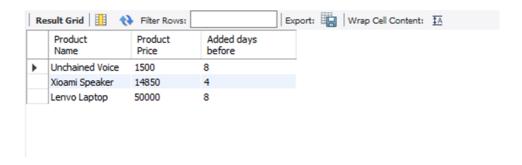
Problem-17

```
select ord_id, MAX(ProductOrdered) as 'Max Ordered'
from (

select ord_id, SUM(ord_prd_qunt) as 'ProductOrdered'
from orders natural join ord_details
group by ord_id
) as bests
```

Problem-18

```
select p_name as 'Product Name', p_price as 'Product Price', timestampdiff(day,p_add_dt,CURDATE()) as 'Added days before' from prod_details where timestampdiff(day,p_add_dt,CURDATE())<=10;
```



```
select ret_name, ret_email

from retailer

where ret_id in

(select p_vndr_id

from orders natural join ord_details, prod_details

where ord_cust_id = 1 and ord_prd_id = p_id);
```

Problem-20

insert into Diwali_Deals (p_name, p_price, p_type, p_vndr_id, p_desc, p_quantity, p_add_dt, p_vw_count, p_vw_date, p_cat_id, p_b_id) select p_name, (p_price*.95), p_type, p_vndr_id, p_desc, p_quantity, p_add_dt, p_vw_count, p_vw_date, p_cat_id, p_b_id from prod_details where timestampdiff(day,p_add_dt,CURDATE())<=90;

Problem-21

select p_name as 'Product Name' , p_price as 'Product Price' from orders natural join ord_details, prod_details, review where ord_prd_id = p_id and ord_cust_id = 1 and p_id = review.pid and rating >=3 limit 10