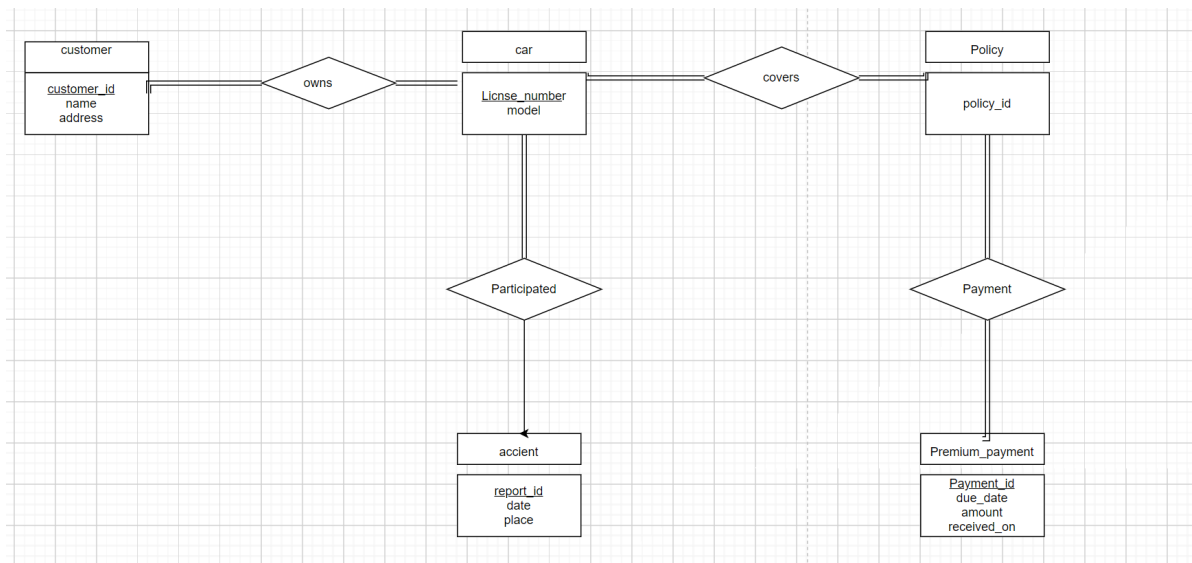


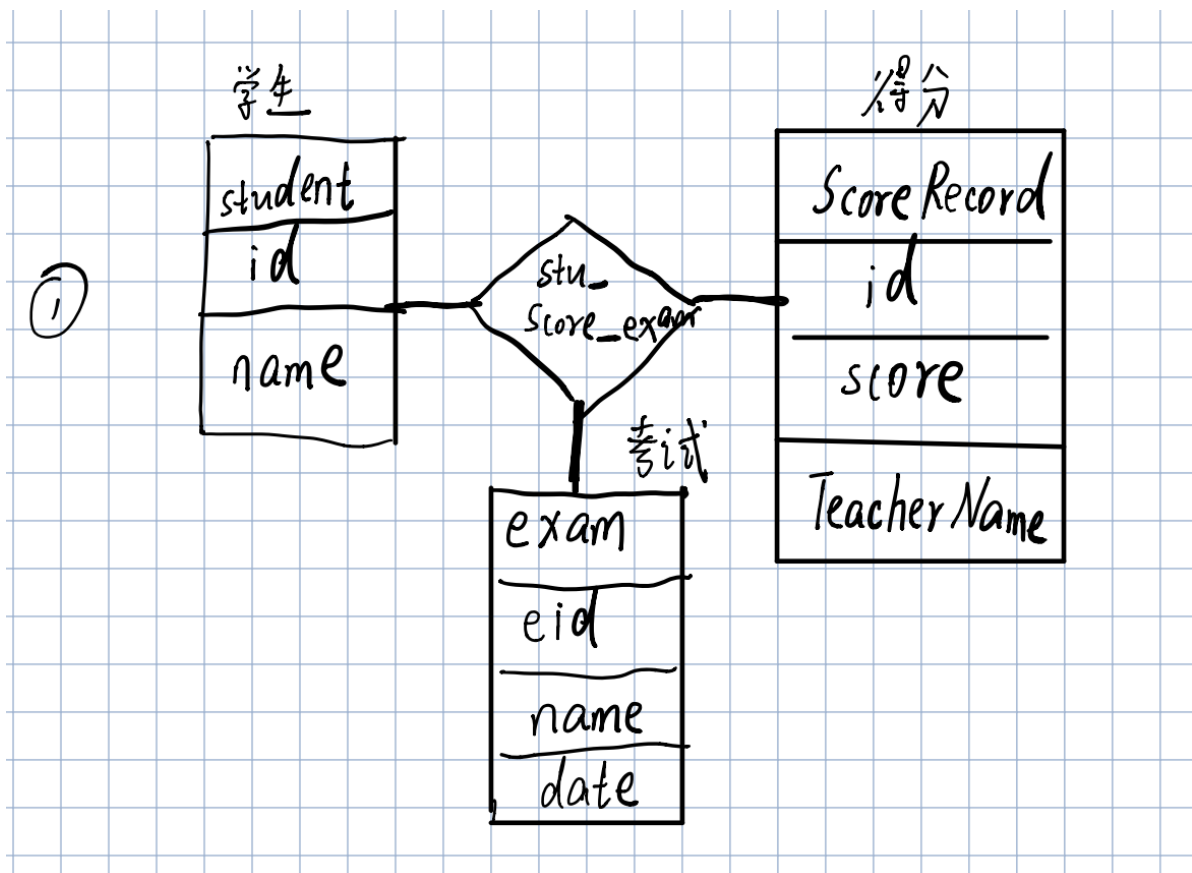
# HW7

## 6.1

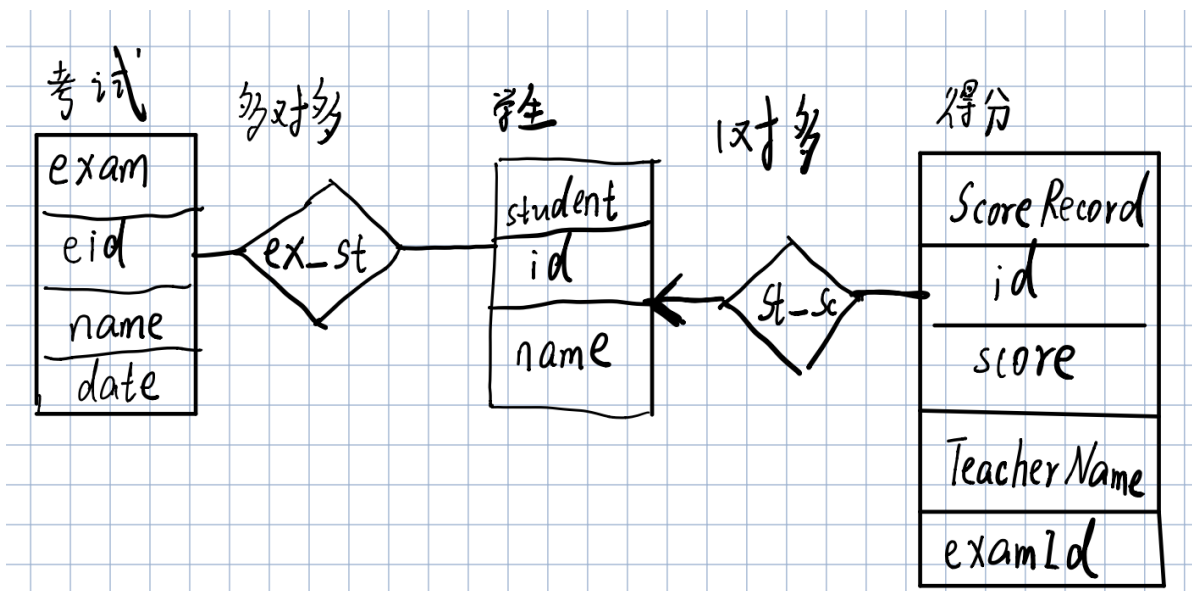


## 6.2

a.

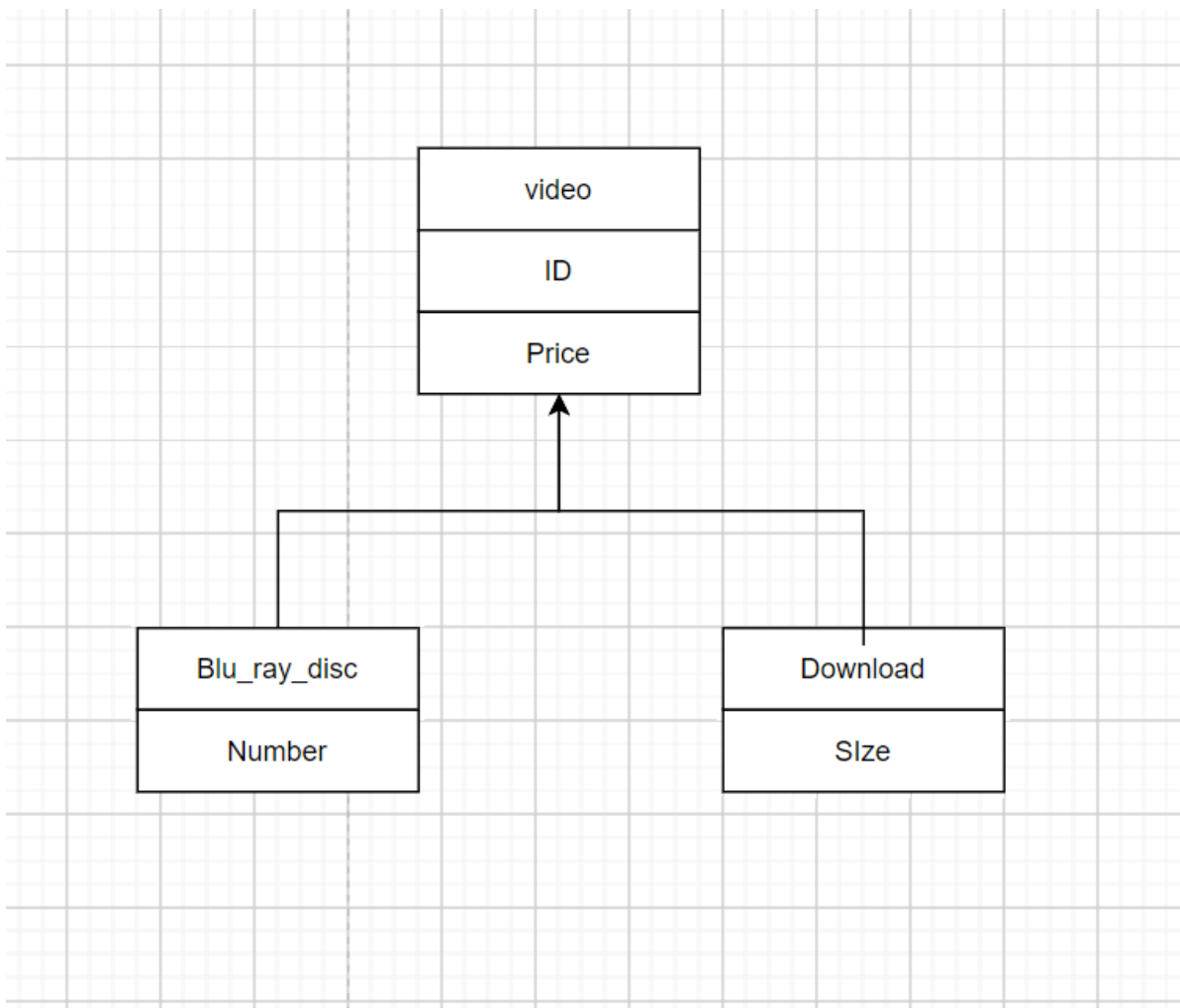


b.

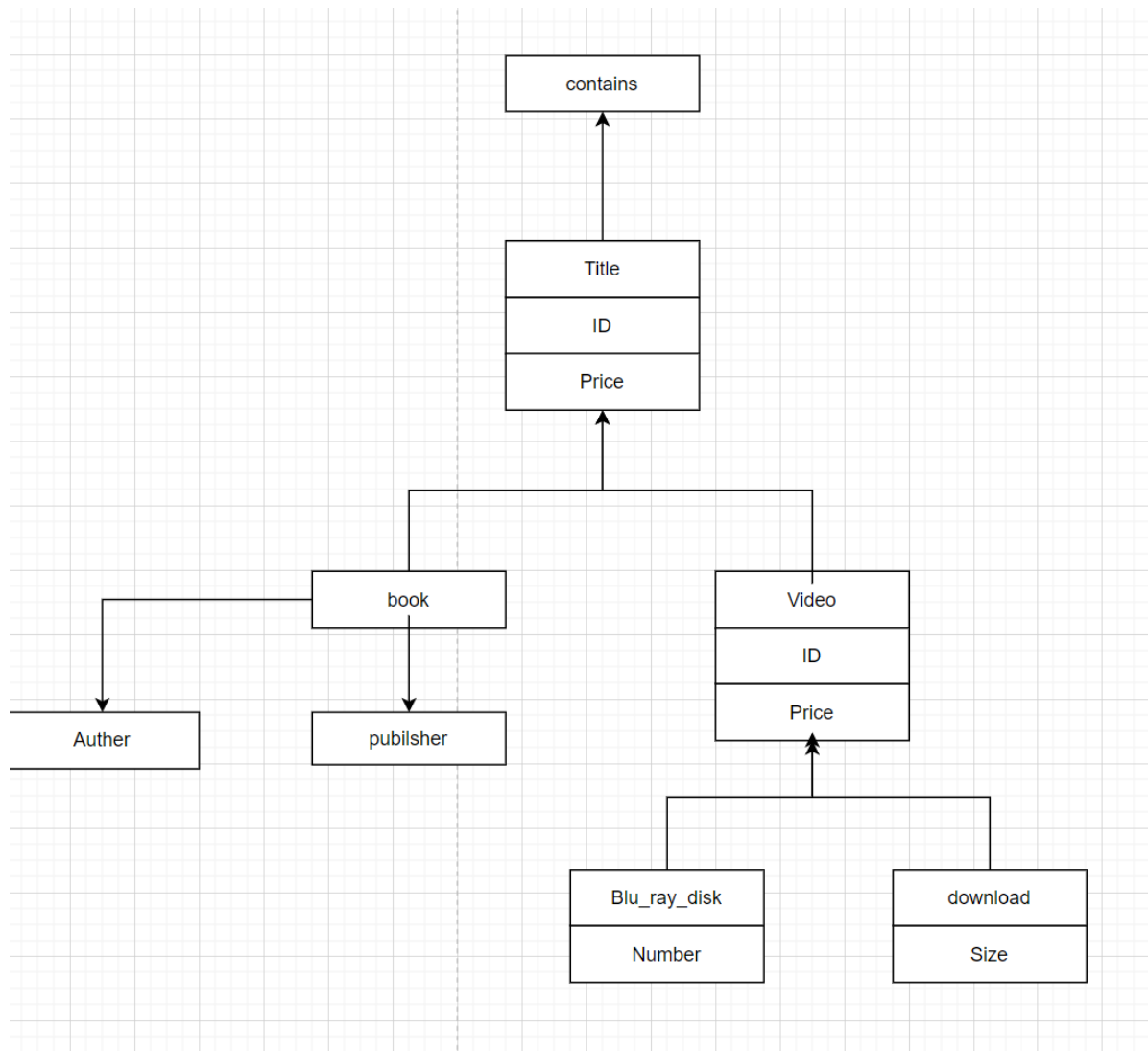


6.21

a.

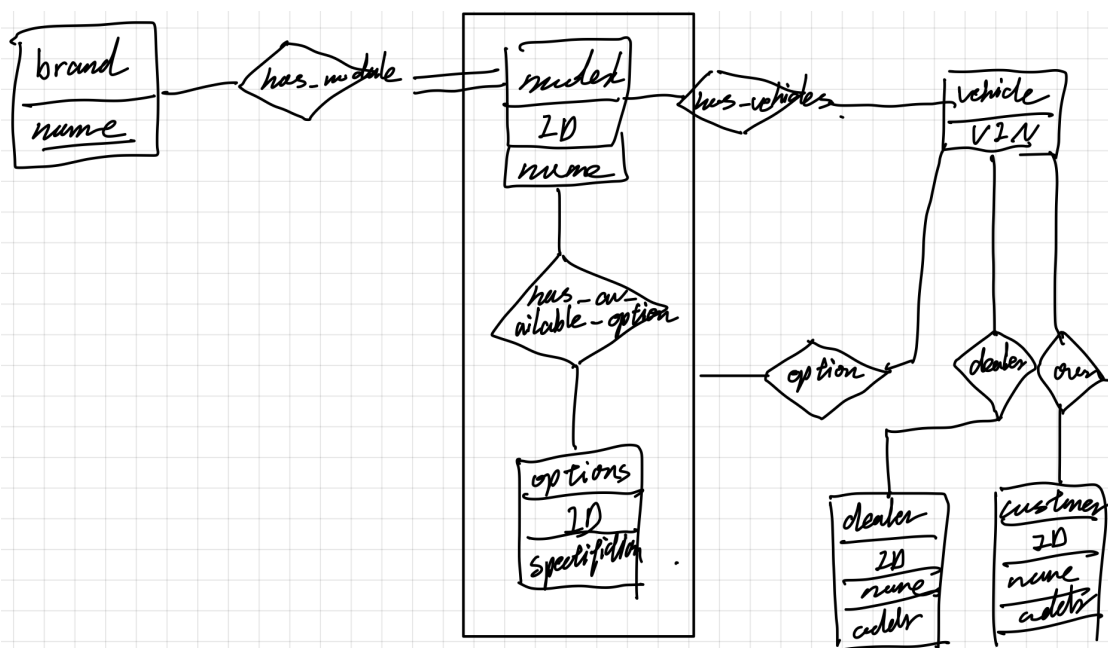


b.



## 6.22

Figure:



Code:

```
2  model(model id,name)
3  vehicle(VIN)
4  option(option id,specification)
5  customer(customer id,name,address)
6  dealer(dealer id,name,address)
7  has models(name,model id ,foreign key name references brand ,foreign key
   model id references model)
8  has vehicles(model id,VIN,
9  foreign key VIN references vehicle,
10 foreign key model id references model
11 )
12 available options(model id,
13 option id,
14 foreign key option id references option,
15 foreign key model id references model
16 )
17 has options(VIN,model id,
18 option id,
19 foreign key VIN references vehicle,
20 foreign key (model id, option id) references available options
21 )
22 has dealer(VIN,dealer id ,
23 foreign key dealer id references dealer,
24 foreign key VIN references vehicle
25 )
26 owned by(VIN,customer id,
27 foreign key customer id references customer,
28 foreign key VIN references vehicle
29 )
30
```