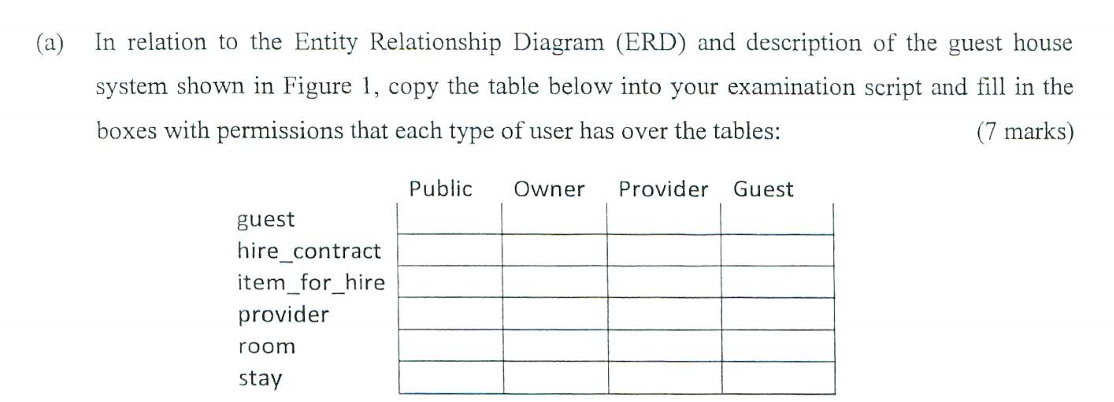
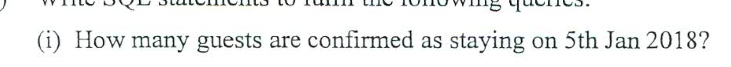


1.

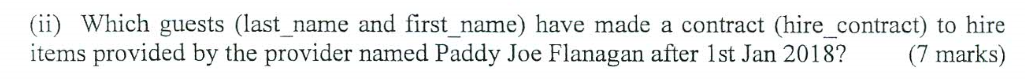


???????



b. select count(guest\_no) from stay

where ‘5th jan 2018’ between startdate and enddate’;



select last\_name, first\_name

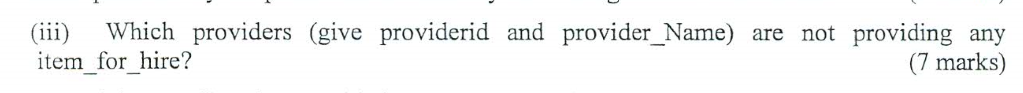
from guest

join hire\_contract using(guest\_no)

join item\_for\_hire using(item\_key)

join provider using(providerid)

where provider\_name like ‘Paddy Joe Flanagan’ and date\_from like ‘1st jan 2018’;



select providerid, provider\_name

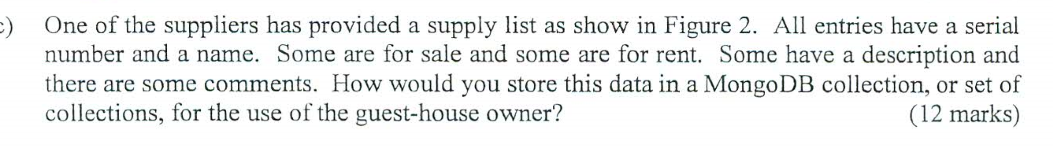
from provider

join item\_for\_hire using(providerid)

where count(item\_key) = 0

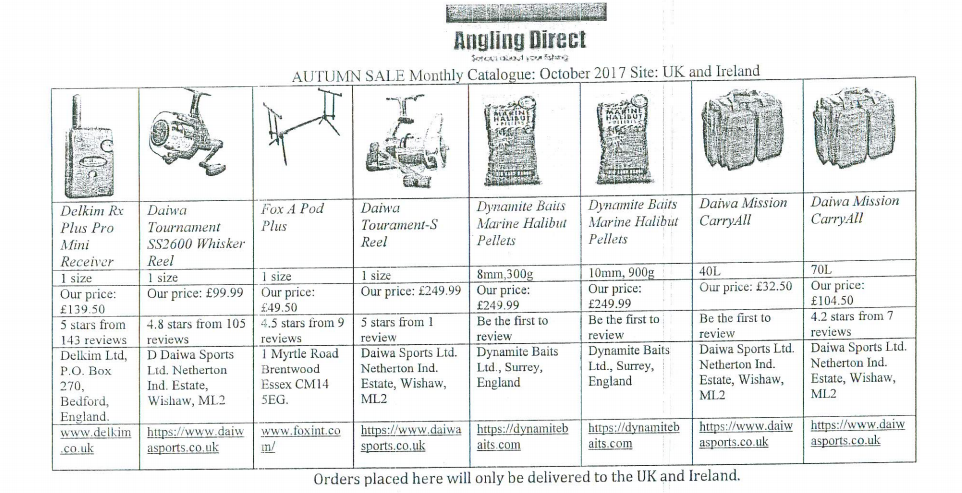
group by providerid, provider\_name;





Use supplyList

Db,supplyList.insert({supplier:”Jack’s fishing suppliers”, address:”23 Main Street”, tele:”Telephone:090111111”, supply[{serialNo:”WEL2000”, item:”Wellington”, stateS:”For Sale”, SPrice:”10-50”, stateH:”for hire”, HPrice:”5/day”, Common1:”check availability”, common2:”an assortment of sizes and colours”}]……, comment:”l’ve only……..”})



Unnormalization:

Form = CompanyName + date + site + {image + Name + Size1 + Size2 + Price + evaluation + noOfReview + address + website}

1NF:

Form = CompanyName + date + site

F1 = image + Name + Size1 + Size2 + Price + evaluation + noOfReview + address + website + CompanyName

2NF:

Form = CompanyName + date + site

F1 = companyName + Name + image + Size1 + Size2 + address + website

F2 = Name + Price + noOfReview + evaluation

3NF:

Form = CompanyName + date + site

F1 = companyName + Name + image + Size1 + Size2 + address

F2 = Name + Price + noOfReview + evaluation

F3 = Name + Website

Image

Website

companyName

Name

Image

Size1

Size2

Address

Name

Price

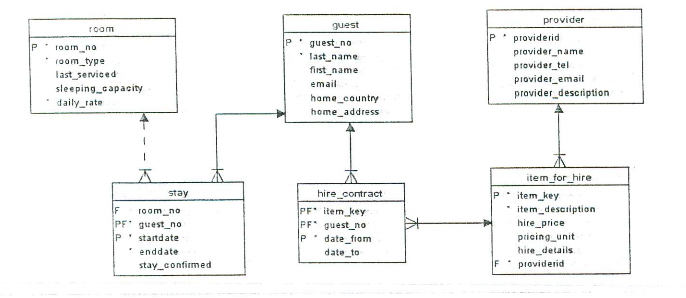
noOfReview

evaluation

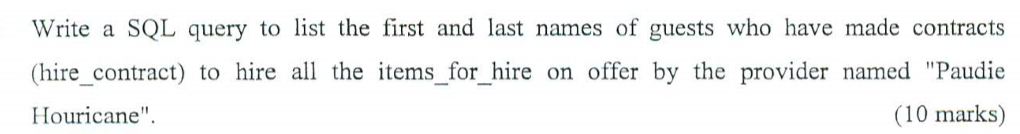
companyName

date

site



3.

a. 

create or replace view B as (select first\_name, last\_name from guest, count(H.item\_key)

join hire\_contract H using(guest\_no)

join item\_for\_hire I using(item\_key)

join provider using(providerid)

having provider\_name like ‘Paudie Houricane’;

)

Select first\_name, last\_name from B

Group by first\_name, last\_name

Having count(H.item\_key) = (select count(\*) from item\_for\_hire join provider using(providerid) where provider\_name like ‘Paudie Houricane’);

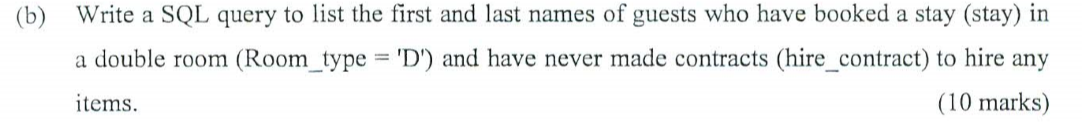
Or

Select first\_name, last\_name

From guest G

Where not exists(select \* from item\_for\_hire I join provider using(providerid) where provider\_name = ‘Paudie Houricane’

And not exists (select \* from item\_contract H where H.guest\_no = G.guest\_no and H.item\_key = I.item\_key ))

select first\_name, last\_name

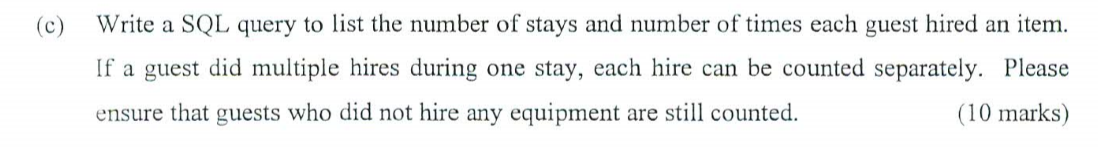
From guest

Join stay using(guest\_no)

Join room using(room\_no)

Join hire\_contract using(guest\_no)

Where room\_type like ‘D’ and count(item\_key) = 0;

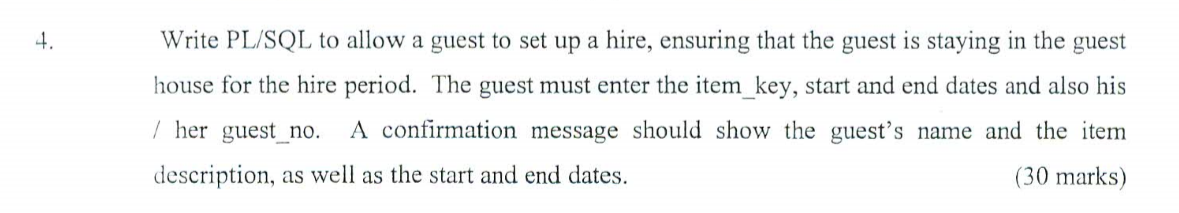
select guest\_no, count(guest\_no), count(item\_key)

From guest

Join stay using(guest\_no)

Left Outer join hire\_contract using(geest\_no)

Group by guest\_no;

declare

V\_Gno guest.guest\_no%Type:=’&guestNo’;

V\_item hire\_contract.item\_key%Type:=’&itemK’;

V\_startDate hire\_contract.date\_from%Type:=’&startDate’;

V\_endDate hire\_contract.date\_to%Type:=’&endDate’;

V\_no integer :=0;

V\_Gname String;

V\_IDesc String;

Begin

Select count(guest\_no) into V\_no from stay where guest\_no = V\_Gno;

If(V\_no > 0) then

Insert into hire\_contract(item\_key, guest\_no, date\_from, date\_to) values (V\_item, V\_Gno, V\_startDate, V\_endDate);

Select lastname into V\_Gname from guest where guest\_no = V\_Gno;

Select item\_description into V\_IDesc from item\_for\_hire where item\_key = V\_item;

DBMS\_OUTPUT.PUT\_LINE(V\_Gname, V\_IDesc, V\_startDate||’ to ’|| V\_endDate);

EXCEPTION

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Error number '||SQLCODE||

' meaning '||SQLERRM||'. Rolling back...');

ROLLBACK;

END;