CSCI 332 Database Concepts Name \_\_\_\_\_\_\_Noah Sulek\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Assignment 5 - Submission

1. Give the name of the owners of all property for rent. Do not show a name more than once.

SELECT DISTINCT fName, lName

FROM PrivateOwner, PropertyForRent

WHERE PrivateOwner.ownerNo = PropertyForRent.ownerNo;

'Joe', 'Keogh'

'Tony', 'Shaw'

'Carol', 'Farrel'

'Tina', 'Murphy'

1. Give the names of clients who have viewed property with more than three rooms.

SELECT fName, lName

FROM PropertyForRent, Client, Viewing,

WHERE PropertyForRent.propertyNo = Viewing.propertyNo AND Viewing.clientNo = Client.clientNo

AND rooms > 3;

'Aline', 'Steward'

'Mary', 'Tregear'

1. For each item of property for rent, give the name and position of the staff person associated with that property.

SELECT fName, lName, Position

FROM Staff, PropertyForRent

WHERE PropertyForRent.staffNo = Staff.staffNo;

'Mary', 'Howe', 'Assistant'

'David', 'Ford', 'Supervisor'

'Ann', 'Beech', 'Assistant'

'Ann', 'Beech', 'Assistant'

'Julie', 'Lee', 'Assistant'

1. Give the names of all clients who viewed property but left no comments. Also (in the same query) give the type of property those clients viewed where they left no comment.

SELECT fName, lName, type

FROM PropertyForRent, Client, Viewing

WHERE PropertyForRent.propertyNo = Viewing.propertyNo AND Viewing.ClientNo = Client.ClientNo AND comment = "";

'Aline', 'Steward', 'Flat'

1. Give the names and telephone numbers of clients who viewed property in London or Glasgow. Do not list a client more than once.

SELECT DISTINCT fName, lName, telNo

FROM Client, Viewing, PropertyForRent

WHERE EXISTS

(SELECT \*

FROM Client, Viewing, PropertyForRent P

WHERE PropertyForRent.propertyNo = Viewing.propertyNo AND Viewing.ClientNo = Client.ClientNo

(SELECT \*

FROM PropertyForRent

WHERE P.city = "London"

OR P.city = "Glasgow"));

1. For each item of property, give the number of times that property was viewed.

SELECT Count(PFR.propertyNo)

FROM Viewing v, PropertyForRent PFR;

WHERE v.viewDate = PFR.propertNo

1. For each item of property that was viewed more than twice, give the type of property viewed and the city in which it is located. Display your results alphabetically by city.

SELECT PFR.propertyNo, PFR.type, PFR.city

FROM (SELECT PropertyNo, Count(\*)

FROM Viewing

GROUP BY propertyNo

HAVING Count(\*) > 2) AS RES

JOIN PropertyForRent PFR

ON PRR.propertyNo = RES.propertyNo

ORDER BY city;

1. For each type of property for rent, what is the average rent for that type of property.

SELECT p.type, AVG(p.rent)

FROM PropertyForRent p

GROUP BY type;

'House', '625.0000'

'Flat', '393.7500'

1. Give the names of any clients who have viewed every listed Flat that rents for under 400 in Glasgow.

SELECT c.fName, c.lName

FROM (SELECT v.clientno,

Count(DISTINCT p.propertyNo) AS "COUNT"

FROM Viewing v

JOIN PropertyForRent p

ON v.propertyNo = p.propertyNo

WHERE p.type = 'Flat'

AND p.rent < 400

AND p.city = 'Glasgow'

GROUP BY v.clientno) AS RES JOIN Client c on RES.clientno = c.clientNo

'Aline', 'Steward'

'John', 'Kay'