

# Normalize the below using the Functional dependency techniques

## First Normal Form (1NF)

### Unnormalized form (UNF)

A table that contains one or more repeating groups.

Repeating group = (propertyNo, pAddress, rentStart, rentFinish, rent, ownerNo, oName)

ClientNo	cName	propertyNo	pAddress	rentStart	rentFinish	rent	ownerNo	oName
CR76	John kay	PG4	6 lawrence St,Glasgow	1-Jul-00	31-Aug-01	350	CO40	Tina Murphy
		PG16	5 Novar Dr, Glasgow	1-Sep-02	1-Sep-02	450	CO93	Tony Shaw
CR56	Aline Stewart	PG4	6 lawrence St,Glasgow	1-Sep-99	10-Jun-00	350	CO40	Tina Murphy
		PG36	2 Manor Rd, Glasgow	10-Oct-00	1-Dec-01	370	CO93	Tony Shaw
		PG16	5 Novar Dr, Glasgow	1-Nov-02	1-Aug-03	450	CO93	Tony Shaw

ClientRental unnormalized table

## INF

ClientNo	cName	propertyNo	pAddress	rentStart	rentFinish	rent	ownerNo	oName
CR76	John kay	PG4	6 lawrence St,Glasgow	1-Jul-00	31-Aug-01	350	CO40	Tina Murphy
CR76	John kay	PG16	5 novar Dr, Glasgow	1-Sep-02	1-Sep-02	450	CO93	Tony Shaw
CR56	Aline Stewart	PG4	6 lawrence St,Glasgow	1-Sep-99	10-Jun-00	350	CO40	Tina Murphy
CR56	Aline Stewart	PG36	2 Manor Rd, Glasgow	10-Oct-00	1-Dec-01	370	CO93	Tony Shaw
CR56	Aline Stewart	PG16	5 Novar Dr, Glasgow	1-Nov-02	1-Aug-03	450	CO93	Tony Shaw

2NF

**Client** : (ClientNo, cName)

**Property Rental** : (ClientNo, propertyNo, rentStart, rentFinish)

**Owner** : (propertyNo, pAddress, rent, ownerNo, oName)

3NF

**Client** : (ClientNo, cName)

**Rental** : (ClientNo, propertyNo, rentStart, rentFinish)

**Property for Rent** : (propertyNo, pAddress, rent, ownerNo)

**Owner** : (ownerNo, oName)