

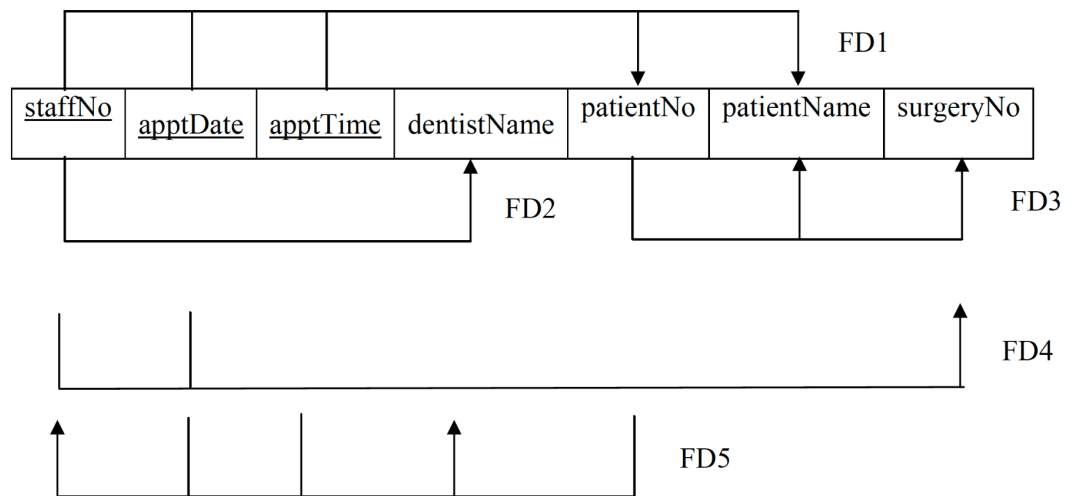
Given the following table:

staffNo	dentistName	patientNo	patientName	appointment date time	surgeryNo
S1011	Tony Smith	P100	Gillian White	12-Aug-03 10.00	S10
S1011	Tony Smith	P105	Jill Bell	13-Aug-03 12.00	S15
S1024	Helen Pearson	P108	Ian MacKay	12-Sept-03 10.00	S10
S1024	Helen Pearson	P108	Ian MacKay	14-Sept-03 10.00	S10
S1032	Robin Plevin	P105	Jill Bell	14-Oct-03 16.30	S15
S1032	Robin Plevin	P110	John Walker	15-Oct-03 18.00	S13

Assumptions made include:

- staffNo is unique for each dentist
- patientNo is unique for each patient
- a patient is registered at only one surgery
- a patient may have more than one appointment on a given day.
- a dentist may work for many surgeries
- a dentist can work for only one surgery in a given day

FD:



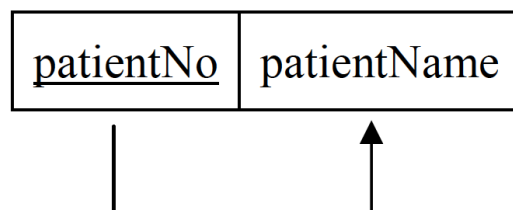
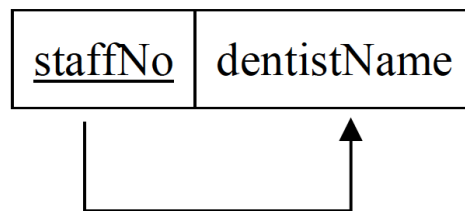
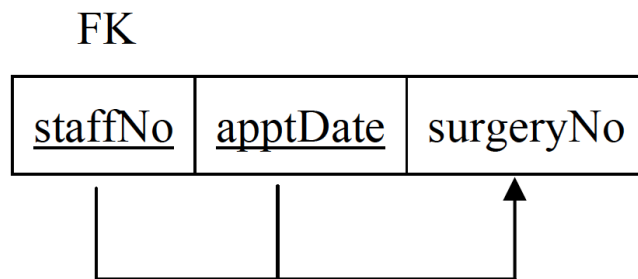
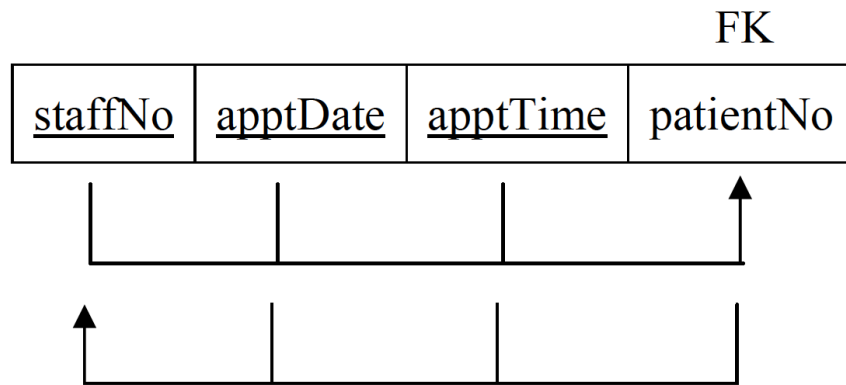
2NF

<u>staffNo</u>	<u>apptDate</u>	<u>apptTime</u>	patientNo	patientName
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<u>staffNo</u>	<u>apptDate</u>	surgeryNo
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<u>staffNo</u>	dentistName
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3NF:



Naming:

<u>staffNo</u>	dentistName
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Dentist(staffNo, dentistName)

FK

<u>staffNo</u>	<u>apptDate</u>	surgeryNo
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Surgery(staffNo, apptDate, surgeryNo)

<u>patientNo</u>	patientName
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Patient(patientNo, patientName)

FK

<u>staffNo</u>	<u>apptDate</u>	<u>apptTime</u>	patientNo
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Appointment(staffNo, apptDate, apptTime, patientNo)

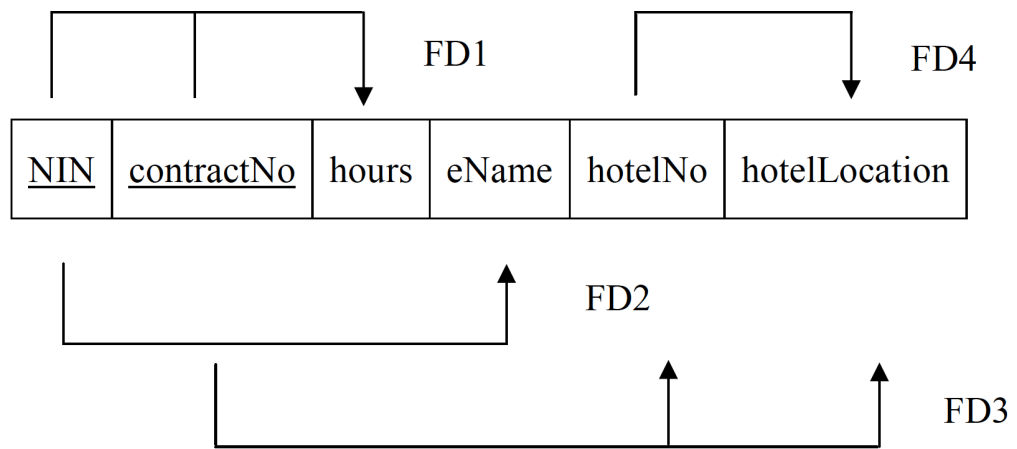
Table

NIN	contractNo	hoursPerWeek	eName	hotelNo	hotelLocation
113567WD	C1024	16	John Smith	H25	Edinburgh
234111XA	C1024	24	Diane Hocine	H25	Edinburgh
712670YD	C1025	28	Sarah White	H4	Glasgow
113567WD	C1025	16	John Smith	H4	Glasgow

Assumptions made include:

- NIN is unique for each employee
- employee can sign different contract with different hotels
- employee can work different hours/week as indicated in each contract with the hotel

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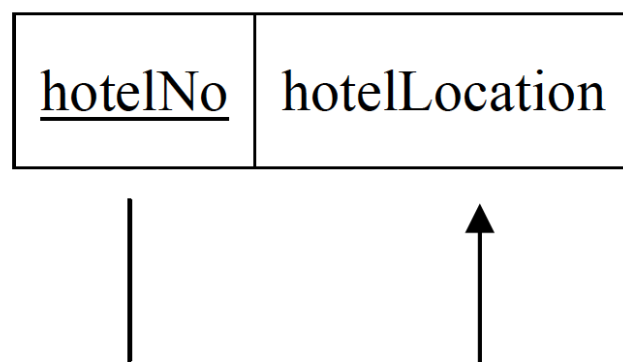
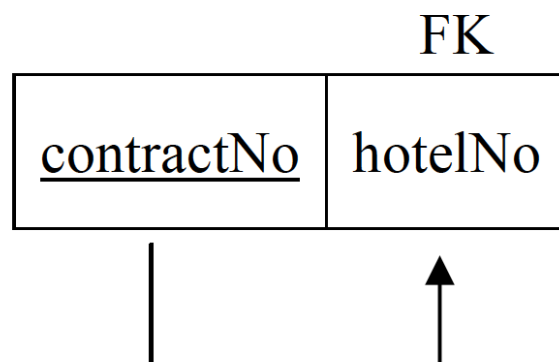
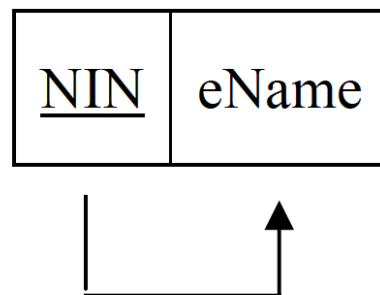
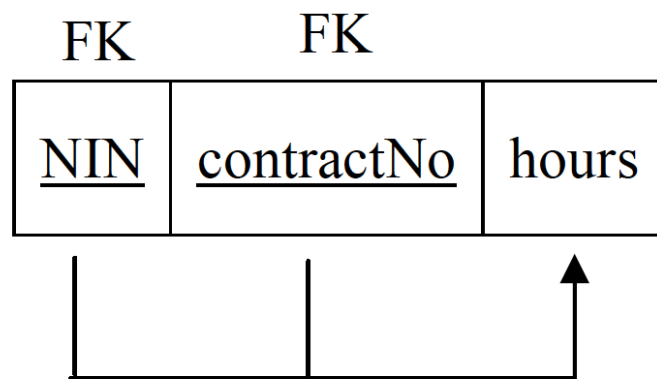
2NF

<u>NIN</u>	<u>contractNo</u>	hours
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<u>NIN</u>	eName
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<u>contractNo</u>	hotelNo	hotelLocation
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3NF



Naming

<u>NIN</u>	eName
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Staff(NIN, eName)

<u>hotelNo</u>	hotelLocation
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Hotel(hotelNo, hotelLocation)

FK

<u>contractNo</u>	hotelNo
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Contract(contractNo, hotelNo)

FK

FK

<u>NIN</u>	<u>contractNo</u>	hours
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WorkHours(NIN, contractNo, hours)