1.
normalization process:
(1NF=has primary key+no repeating groups)
It is 1NF because the primary key is customerNumber, date, and partNumber and there is no repeating group.

all data in one table:
customerName
customerNumber PK
customerType
date PK
time
employee
partNumber PK
name
type
cageCode
quantityOrdered
unitPrice

(2NF=1NF+one field that makes up the primary key or all non-PK fields are dependent on all the PK fields)
It is not 2NF because it has a composite PK and there are attributes dependent upon only part of the PK:
name, type, cageCode, and unitPrice are dependent on partNumber
customerName and customerType are dependent on customerNumber
employee are dependent on the date
Moving these fields out of the table results in the following 2NF version:

order_detail
partNumber PK FK
customerNumber PK FK
date PK FK
quantityOrdered
time

customer_detail
customerNumber PK
customerName
customerType

part_detail
partNumber PK

name
type
cageCode
unitPrice

employee_detail
date PK
employee

(3NF=2NF+no transitive dependencies)
It is not in 3NF as there is a transitive dependency:
cageCode is dependent on type
Moving this data out of the tables results in the following 3NF versions:
Tables:

order_detail
partNumber PK FK
customerNumber PK FK
date PK FK
quantityOrdered
time

customer_detail
customerNumber PK
customerName
customerType

part_detail
partNumber PK
name
type FK
unitPrice

employee_detail
date PK
employee

inventory_detail
type PK
cageCode

Assumption:

-assume each type corresponds to a cage, and all inventory of the same type is placed in a cage. Therefore, inventory of the same type has the same cage code.
-Only one customer is being helped at a time
-Customer orders can only be made once a day
-each day has only one employee

2.
normalization process:
(1NF=has primary key+no repeating groups
It is a 1NF since it has the primary key and there is no repeating groups.
The primary key is staffNo, patNo, and appointmentDateTime.

all data in one table:
staffNo PK
therapistName
patNo PK
patName
appointmentDateTime PK
branchNo

(2NF=1NF+one field that makes up the primary key or all non-PK fields are dependent on all the PK fields)
It is not 2NF because it has a composite PK and there are attributes dependent upon only part of the PK:
therapistName are dependent on staffNo
patName and branchNo are dependent on patNo
Moving these fields out of the table results in the following 2NF version:

therapist_order
staffNo PK FK
patNo PK FK
appointmentDateTime PK
branchNo FK

patient_detail
patNo PK
patName
branchNo

therapist_detail
staffNo PK
therapistName

(3NF=2NF+no transitive dependencies)
It is 3NF because there is no transitive dependency.

therapist_order
staffNo PK FK
patNo PK FK
appointmentDateTime PK

branchNo FK

patient_detail
patNo PK
patName
branchNo

therapist_detail
staffNo PK
therapistName

Assumption:
-Patients always only go to one branch, so one patients only appears in one branches

3.
normalization process:
(1NF=has primary key+no repeating groups)
It is a 1NF since it has the primary key and there is no repeating groups.
The primary key is eNo and contractNo.

all data in the table:
eNo PK
contractNo PK
hours
eName
eventNo
eventLoc

(2NF=1NF+one field that makes up the primary key or all non-PK fields are dependent on all the PK fields)
It is not 2NF since it has a composite PK and there are attributes dependent upon only part of the PK:
eName is dependent on eNo
eventNo and eventLoc is dependent on contractNo
Moving these fields out of the table results in the following 2NF version:

employee_constract
contractNo PK FK
eNo PK FK
hours

contract_detail
contractNo PK
eventNo
eventLoc

employee_detail
eNo PK
eName

(3NF=2NF+no transitive dependencies)
Using the tables created in 2NF, it is not 3NF because eventLoc is dependent on eventNo. It has transitive dependency.
In order to resolve this I would move eventLoc into a new table.

employee_constract
contractNo PK FK
eNo PK FK

hours

contract_detail
contractNo PK
eventNo FK

employee_detail
eNo PK
eName

event_detail
eventNo PK
eventLoc

Assumption:
-the event can happen in only one location