PRACTICAL-3

PRELAB

DBMS
Experiment-3

190031187
N·V Radhakrishna

1) choose incorrect statement

(a) An attribute of an entity can be composite

(b) An attribute of an entity can have more than one value

(c) In a row of a relational table, an attribute can have exactly one value or a NULL value

(d) In a row of a relational table, an attribute can have more than one value

Answer - d

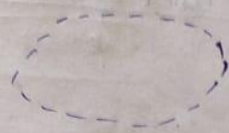An attribute can have more than one value in an entity but not in relational table

2) what is meant by maximum cardinality?

A) Maximum cardinality is defined as the maximum no. of entity classes which are tating part in a relationshop

There are 3 types of Maximum cardinality

one to one
one to many
many to many

3) which symbol denote derived attributes in the E-R Model

derived attribute

Ex:- Age

4) What type of entity cannot exist in the database unless another type of entity also exists in the database, but those not require that the identifier of that other entity be included as part of the own identifier?

A) Weak entity

5) what is meant by recursive relationship

Ans) A relationship between two entities of similar entity type is called a recursive relationship

6) Goal for the design of the logical scheme include

Ans) All the above

190031187
N.V.Radhakrishna

7) An application where only one user accesses the database at a given time is an example of <u>single user database application</u>

8) In a one to ~~one~~ many relationship the entity that is on the one side of the relationship is called a <u>parent</u> entity

9) Explain the relationship between entity, entity class, entity instance

Ans) An entity is something that can be identified in the user's work environment something that user wants to track. Entities of given type are grouped into entity classes. An entity instance is the representation of a particular entity
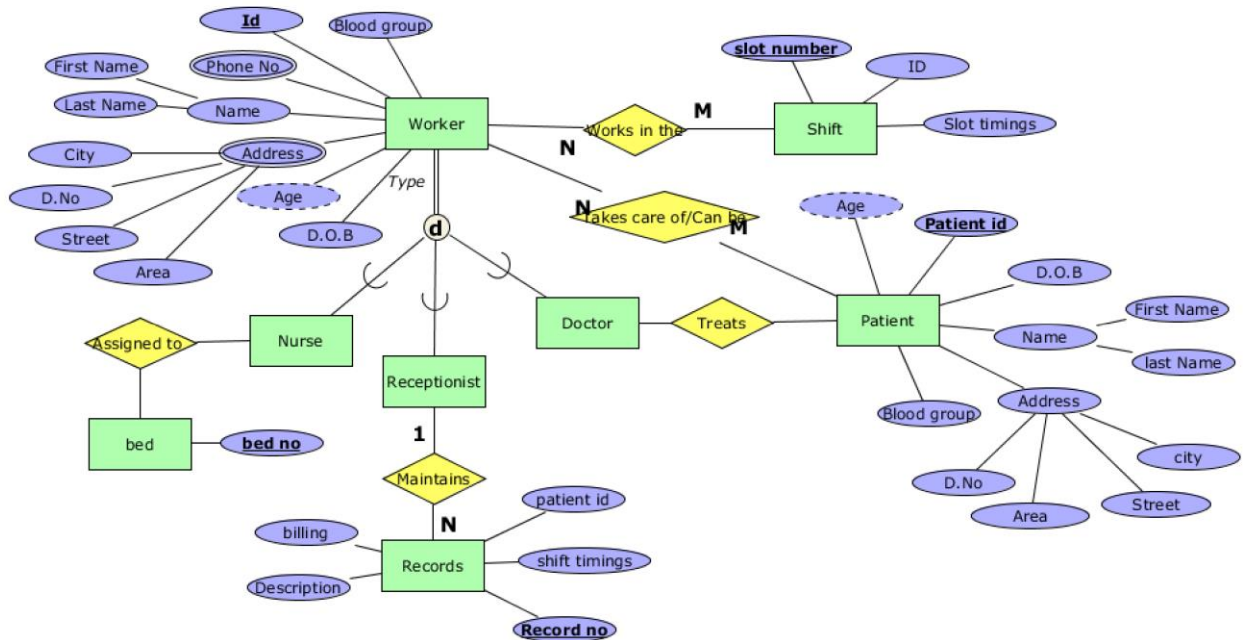
10) what is meant by modality?

Ans) Modality refers to minimum no.of times an instance in one entity can be ~~associated~~ associated with an instance in the related entity.
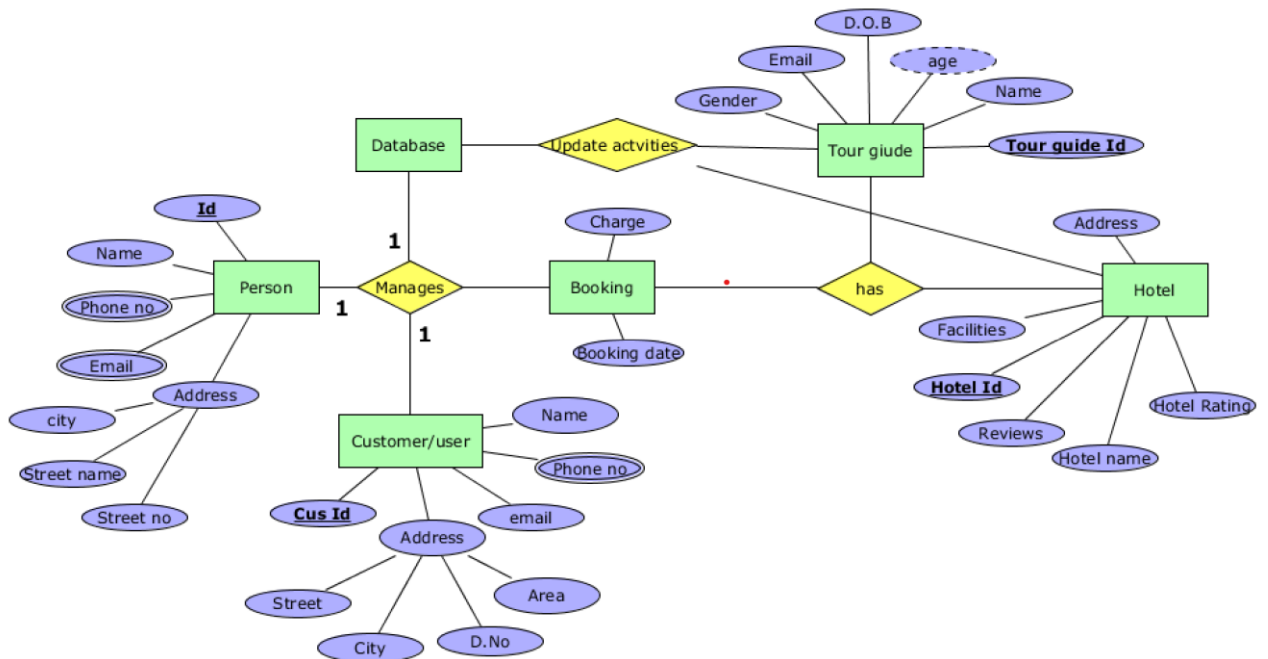
190031187
Radhakrishna

INLAB
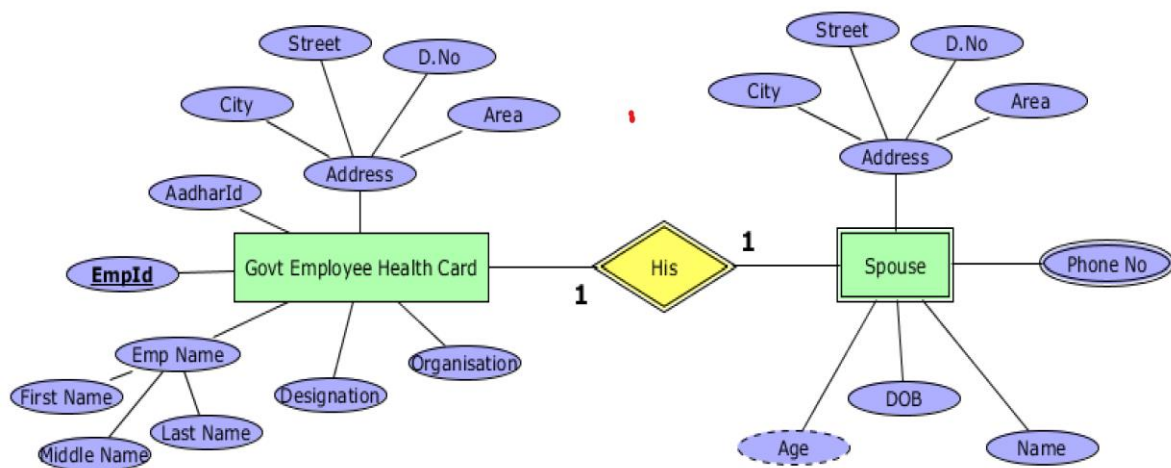
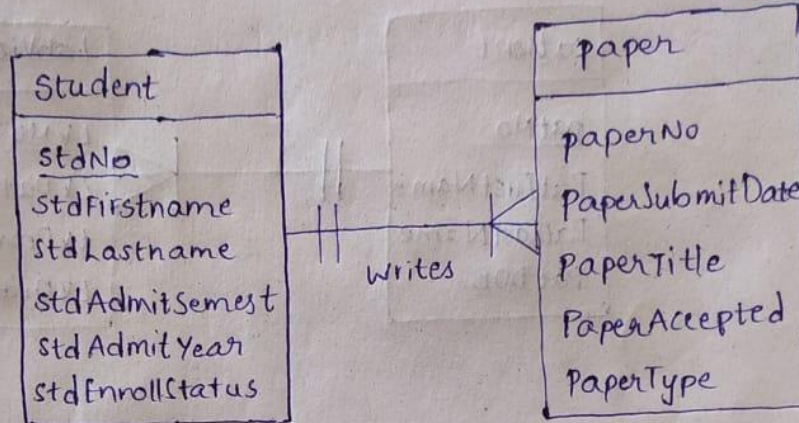## EMERGENCY ROOM INFORMATION SYSTEM

TOUR OPERATING SYSTEM

POSTLAB

1) Draw ER diagram showing two entities out of which, one is weak entity in a relationship say, a government employee health card and his/her spouse depending on that particular employee. Mention the attributes for the respective entities in the ER diagram.

post Lab

190031187
N·V·Radhakrishna

2.

Student

stdNo
stdFirstname
stdLastname
stdAdmitSemest
std Admit Year
stdEnrollStatus

Writes

paper

paperNo
PaperSubmitDate
PaperTitle
PaperAccepted
PaperType

3.

Customer

CustNo
CustFirstName
CustLastName
CustCity
CustState
CustZip
Cust Bal

orders

order

ordNo
OrdDate
OrdName
ordCity
Ord State
Ord Zip

190031187
Radhakrishna

4.

patient
patNo
PatFirstName
PatLastName
PatDOB

LabVisit
LVNo
LvDate
LvProvNo
LVOrdNo

5.

paper
PaperNo
PaperSubmitDate
PaperTitle
PaperAccepted
PaperType

Evaluated
by

Evaluator
EvalNo
EvalFirstName
EvalLastName
EvalEmail
EvalOffice