

Name: Venkatesh G D
Div : D

USN: 2GI19CS175
Date: 27-05-2021

DBMS OBA-1

1) Entities

i) Weak Entities - NULL

ii) Normal Entities

- * Rooms
- * Location
- * Facilities
- * Cost
- * Hotel

2) Attributes

i) Hotel : → Hotel ID (Key attribute)
→ Name
→ Star Rate

ii) Rooms : → Room No. (Key attribute)
→ Type

iii) Location : → Street
→ Town
→ Pincode (Key attribute)

iv) Facilities : → F. ID (Key attribute)
→ F. Name

2) Attributes

Cost : \rightarrow Cost ID (key attribute)
 \rightarrow Amount

3) Relations & Cardinality

i) Hotel has Rooms

i) has

\rightarrow Hotel has Rooms

(Relation)

$\rightarrow 1 : N$

(cardinality)

ii) has

\rightarrow Hotel has Facilities

(Relation)

$\rightarrow 1 : N$

(cardinality)

iii) Located at

\rightarrow Hotel located at location

(Relation)

$\rightarrow 1 : 1$

(cardinality)

iv) Rented at

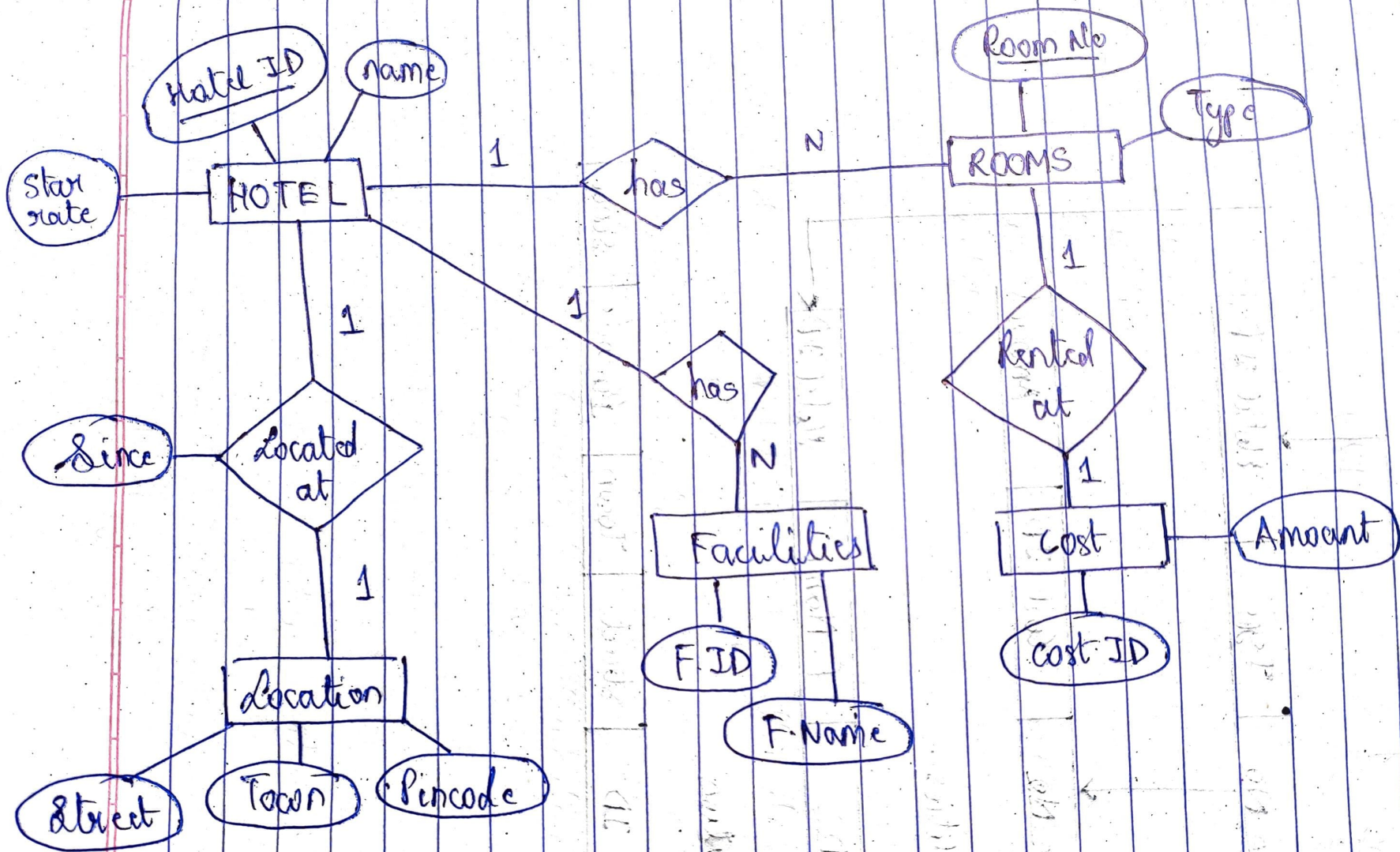
\rightarrow Rooms rented at cost

(Relation)

$\rightarrow 1 : 1$

(cardinality)

ER Diagram



Schema Diagram

Hotel

<u>Hotel ID</u>	Name	Star Rate
-----------------	------	-----------

Rooms

<u>Room No</u>	Type	Hotel ID
----------------	------	----------

Cost

<u>Room No</u>	Cost ID	Amount
----------------	---------	--------

Facilities

<u>F. ID</u>	F. Name	Hotel ID
--------------	---------	----------

Location

<u>Hotel ID</u>	Street	Town	<u>Pin Code</u>	Since
-----------------	--------	------	-----------------	-------