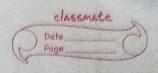
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY SHIBPUR B. TECH 5th SEMESTER MID-TERM EXAMENATION, OCTOBER 2021 DATABASE MANAGEMENT SYSTEMS (CS 3102 Name: Abhirop Mukharjee Envolment No: 5105 19109 G-Svite ID: 510519109. abhirup @ students.iiests.ac.in Students (voll no: integral) Courses (course no : integer) Registration (voll no: integer,) to (vollno, co courseno: integer, primar percent: real) distinct names of all students who score more than

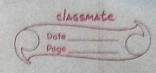


2) Relational Algebra. Sname Coursence (Registration M Students) b) Tuple Relational Calculus (3s) [se Students] ^ [t[sname]=s[sname]] (Jr) ([r ∈ Registrations] ^ [s[rollno] = r[rollno]]

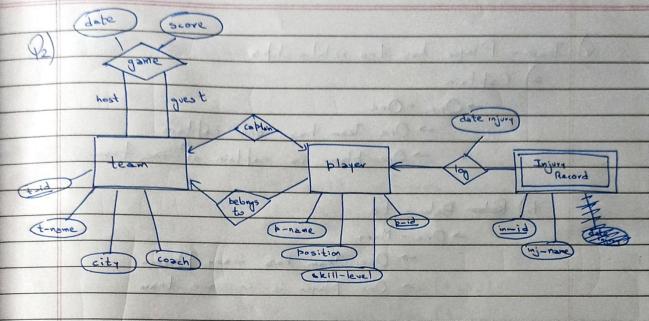
[r [courseno] = 107] ^ [r [percent] > 90 SQL SELECT DISTINCT S. Sname FROM Students 25 S, WHERE S. rollono = R. roll no

AND R. courseno = 107

AND R. percent >90;



one team



Assumption

i) added if in-id & inj-name in Injury Record to add

key & description to the Entity

ii) Added p-id in player & t-id in team for key

iii) Made Injury Record Weak Entity, as it needs

prid to determine which player has what Injury

iii) team has a celf relationship with game as it ass

e game has two Teams, host & guest team

iv) Player-Injury Record Relationship is one-many as

a) one player can have writiple Injury

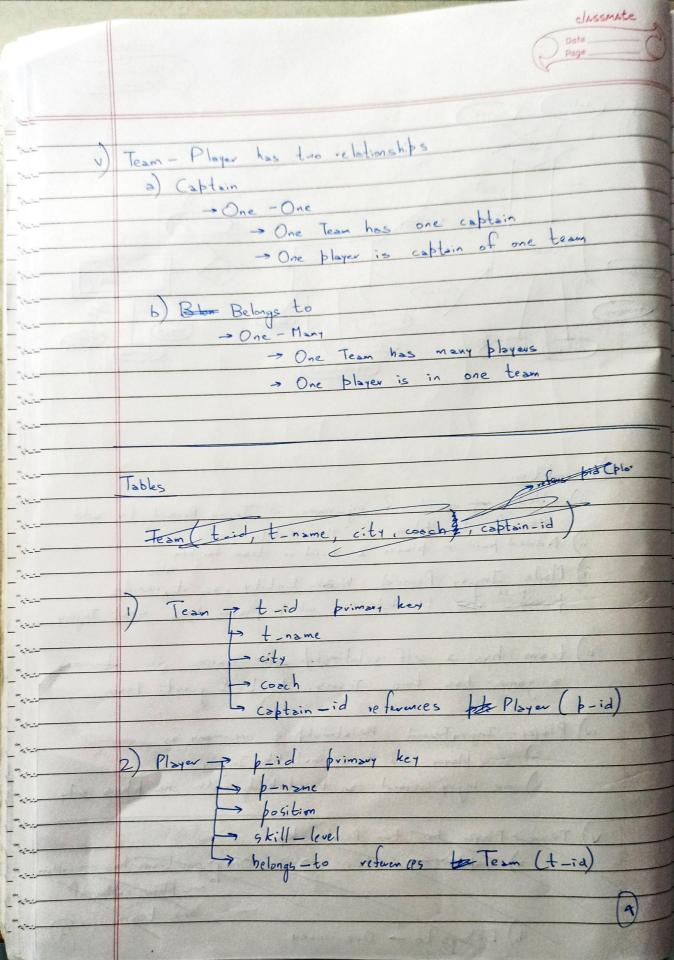
b) one injury record can be linked with one player only

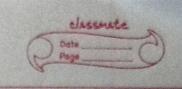
v) Teams Player has two Relationship

a) Catton Captain One One plane team has one captain

one player captain of

b) Belogs to - One-many





Injury - Record To in-id prinary key
inj-name

Betage log p p-id references Player (p-id)

in-id references Injury-Record (in-id)

b date-injury

5) Grame > host_id references Team (t-id)

- guest_id references Team (t-id)

- date

- scove

15