

National Institute of Technology Meghalaya



Assignment No: 01

Student Name: Subhasish Dutta

Roll Number: T23CS001

Programme: Master of Technology

Department: Computer Science & Engineering

Semester: 1

Course Name: ADVANCED DBMS LAB

Course Code: CS553

Date: 09/10/2023

Assignment 01

Question No: 02

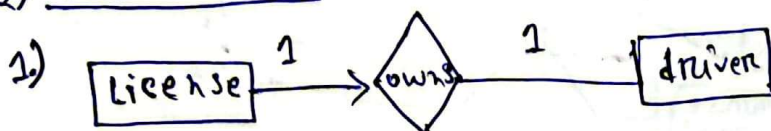
Answer:-

1) Entities

Driver
Branch
License
Vehicle
Loan

2) IDENTITY RELATIONSHIPS

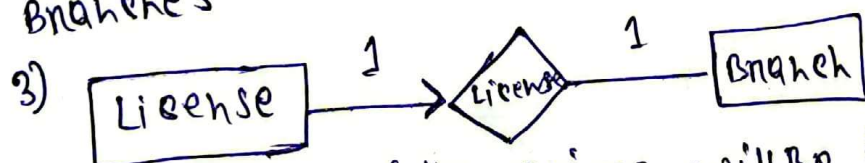
1) Relationship



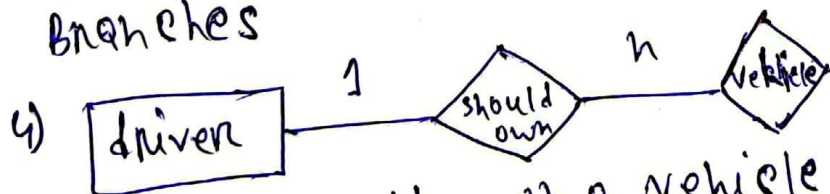
Each driver own a license



Each Driver should attend license Exam from any of the Branches

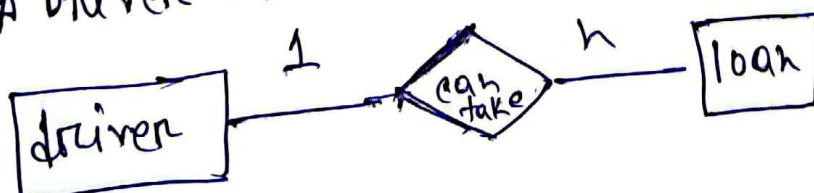


The license of the driver will be issued from each Branches



A driver should own a vehicle

5) A driver can also take loan to own the vehicle.



Question NO: 03

Answer:- In the answer given here, the main entity sets are student, course, course-offering and instructor. The entity set course-offering is a weak entity set dependent on course. The assumptions made are:

- a class meets only at one particular place and time. This E-R Diagram cannot model a class meeting at different places at different times.
- There is guarantee that the database does not have two classes meeting at the same place and time.

