

MA 518: DATABASE MANAGEMENT SYSTEMS

MONSOON 2021

LAB #7: SQL Queries

Important Instructions

- **DO NOT UPLOAD MULTIPLE FILES (Only PDF Files Allowed).**
 - **Also Upload each query execution status.**
1. Consider the Company ER diagram shown below
 - (a) Create a database **company**.
 - (b) Write the SQL statements to create the corresponding tables.
[Hint: There will be 6 tables: *Employee*, *Department*, *Department_Locations*, *Project*, *Works_On* and *Dependent*]

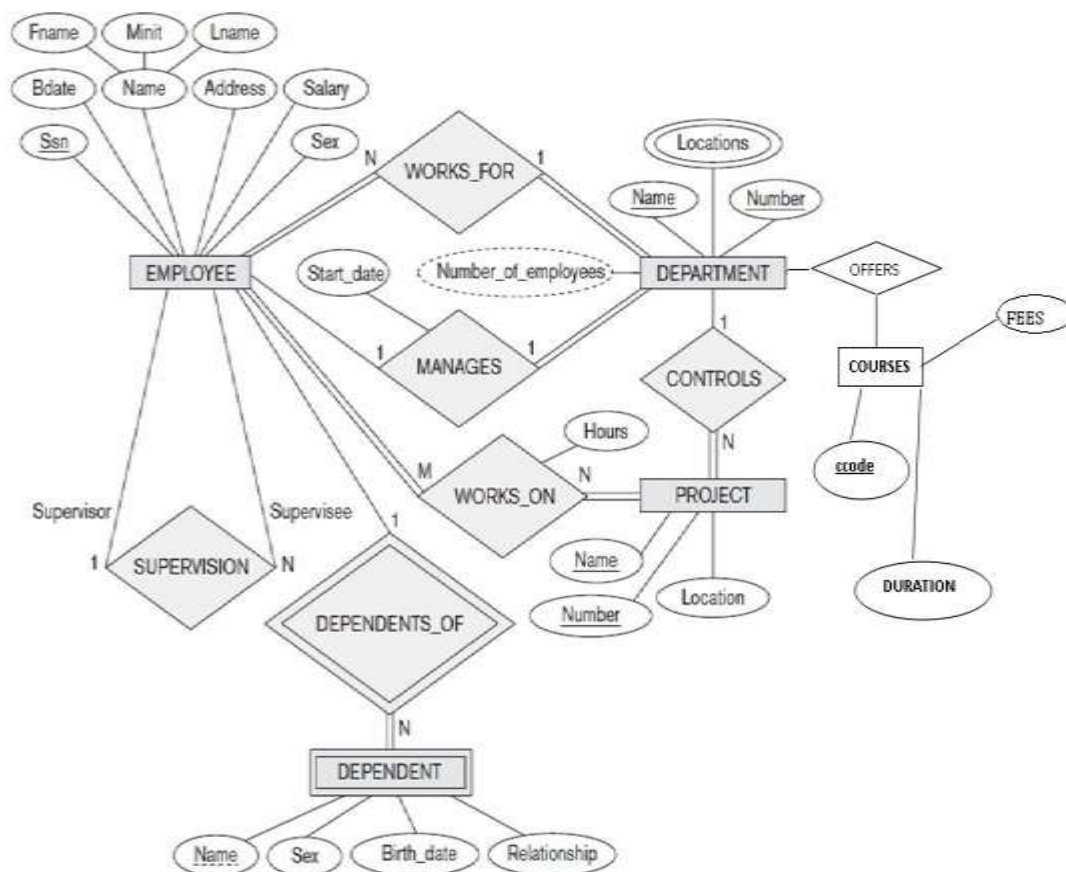


Table -1

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(c) Populate the database based with the following information:

- There are two employees in the department account Abhay Kumar Saha (employee id 68319) and Sudip Basu Roy(employee id 67244).
- Abhay is the supervisor of Sudip from 11th October 2018
- Abhay is from Malda and Sudip is from Kolkata.
- The date of birth of Abhay and Sudip is 20th April 1990 and 12th June 1993 respectively.
- Abhay and Sudip are getting a salary of 50000 and 30000 respectively.
- The Account department (did: 1001) and HR department (did: 1004) headquarter are located in Kolkata and Mumbai respectively.
- Sudip is working on a project “Profit Planning Analysis in Manufacturing Firms” with project id P100101. The project is based in Chennai. The duration of this project is 30 days.
- Sudip lives with his parents Tanmoy Roy(DOB 11TH October 1962) and Momita Basu(4th November 1965).”
- Make any other suitable assumption if necessary

Show your SQL statements. Add screenshots to show your statements and the content of each table after populating it

(d) Write a view named VDept_Headcount that reports the headcount for each department. The report should include the following 3 columns – *Dept_Name, Dept_Number, No_Emp*
[Refer Section 3.6 of the text book]

Deliverable: Same as in Lab 6(Check Important Information).

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