

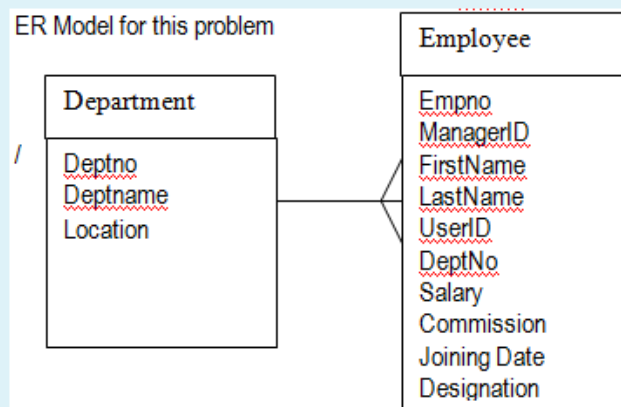
Question 1

Not yet answered

Marked out of 3

Flag question

a. The company has a lot of departments (Accounts, sales, Marketing...). Employees of the company belong to one of these departments. Every employee will have a manager. The following details of the employees also need to be stored (EmployeeID, FirstName, LastName, UserID, department, salary, JoiningDate, Designation, Commission). Solution:
 1.Details of department is grouped together to form the department table
 2.Details of employees in the Employee Table.
 3.The two tables are related by the primary key (deptno in Department table) and foreign key (deptno in the Employee table)
 ER Model for this problem



Q2.

Question 2

Not yet answered

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b.

Department		
<u>Deptno</u>	number(2)	primary key
<u>Deptname</u>	varchar2(20)	unique
Floor	number(2)	
Location	varchar2(20)	

Question **3**

Not yet answered

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Employee		
Empno	number(3)	primary key
ManagerID	number(3)	
FirstName	varchar2(20)	should have a value
LastName	varchar2(20)	
c. UserID	varchar2(20)	
deptno	number(2)	foreign key on delete cascade
salary	number(5)	2 decimal places
Commission	number(3)	
Joining date	date	
Designation	varchar2(25)	

Question **4**

Not yet answered

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d. The HRA and PF component was added to the salary of all the employees.

You can set the status of your assignment here.

☐ Complete ☐ Partially Complete ☐ Not Done

Question **5**

Not yet answered

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e. Modify the Employee table structure to add the HRA component width 5 and 2 decimal places.

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☐ Complete ☐ Partially Complete ☐ Not Done

Question **6**

Not yet answered

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f. Add PF of width 5 and 2 decimal places to Employee table and add a constraint to the field that the value of the PF should not be greater than 5000.

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☐ Complete ☐ Partially Complete ☐ Not Done

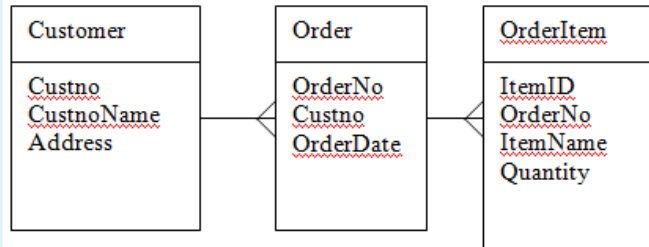
Question 7

Not yet answered

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g. The customers place orders for items. The order is placed in a particular date. A single order can have multiple items. In the order the item name and the quantity ordered will be mentioned. The ER Model for the problem:



(Please Note: Order item- Item ID, Order No, Item Name, Quantity)
The Relational Model solution for the problem:

Question 8

Not yet answered

Marked out of 3

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Customer

h. Custno number(3) primary key
 Custname varchar2(20)
 Address varchar2(40)

You can set the status of your assignment here.

☐ Complete

☐ Partially Complete

☐ Not Done

Question 9

Not yet answered

Marked out of 3

Flag question

i.

Order

orderno number(3) Primary key
 custno number(3) Foreign key to custno of Customer Table
 orderdate date

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Question 10

Not yet answered

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OrderItem

j. ItemID number(3) Primary Key
 OrderNo number(3) Foreign Key to orderno of Order Table
 ItemName varchar2(20)
 Quantity number(2)

Question 11

Not yet answered

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k. Increase the width of the Address field of the Customer table to 100 so that longer addresses can be accommodated.

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☐ Complete ☐ Partially Complete ☐ Not Done

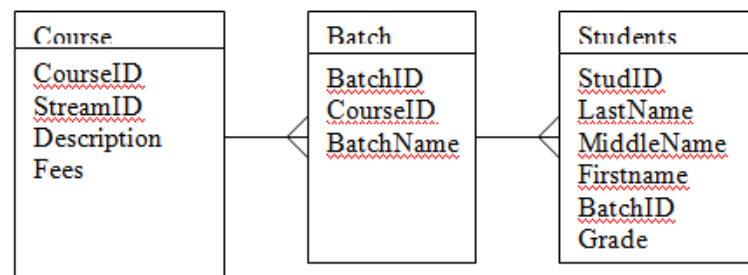
Question 12

Not yet answered

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l. The institute offers many courses. For a single course there can be many batches and many students belong to a batch. The ER model representation is as follows:



Relational Model Solution given below:

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Question 13

Not yet answered

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Course	
Courseid	varchar2(5)
StreamID	varchar2(20)
m. Title	varchar2(40)
Description	varchar2(200)
Fees	number
Primary key	courseid, deptid

Question 14

Not yet answered

Marked out of 3

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Batch	
n. BatchID	varchar2(30)
CourseID	varchar2(5)
BatchName	Char(1)

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Question **15**

Not yet answered

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o.

Student			
Studid	varchar2(20)	primary key	
Lastname	varchar2(25)		
MiddleName	varchar2(30)		
Firstname	varchar2(20)		
Dob	Date (default Sysdate)		
Address	varchar2(50)		
City	varchar2(20)		
State	varchar2(2)		
Zipcode	varchar2(9)		
Telephone	varchar2(10)		
Fax	varchar2(10)		
Email	varchar2(30)		
Grade	char(1)	Check grade in	A,A+,A-, B, B+, B-, C,C+, C-, D,D+,D-,F,F+,F-

Question **16**

Not yet answered

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p. Remove the middleName column from the Student table

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☐ Complete ☐ Partially Complete ☐ Not Done

Question **17**

Not yet answered

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q. Rename the student table to 'Participant'

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