

**For 100% Result Oriented IGNOU Coaching and Project Training
Call CPD: 011-65164822, 08860352748**

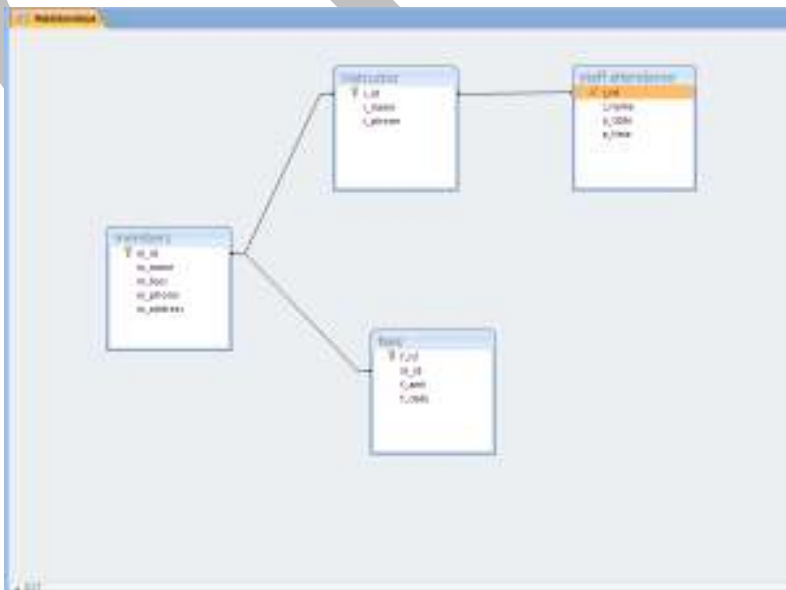
ASSIGNMENT OF BCSL-034(DBMS LAB)

Q1: A GYM requires a computerized system to atomize its front office operations that support the following functionalities:

- Query support
- Report generation
- Easy input facility for new data
- Update necessary details about the latest available facilities, fee structure, details of the equipment, timings, Gym Instructors (Male and Female), trainees, dieticians, batch-schedules etc..

Perform the following tasks:

- (i) Draw the ER diagram by identifying the entities, relationships and cardinality by using any of the drawing tools like smartdraw, dia, visio, conceptdraw etc. to manage the Gym. Follow proper conventions.

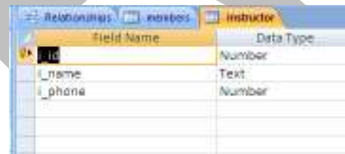


1) Gym member table

Field Name	Data Type
m_id	Number
m_name	Text
m_fees	Number
m_phone	Number
m_address	Text

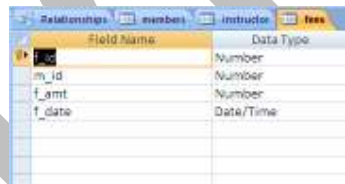
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2) Instructor table



Field Name	Data Type
i_id	Number
i_name	Text
i_phone	Number

3) Fees details



Field Name	Data Type
m_id	Number
f_amt	Number
f_date	Date/Time

4) Staff attendance table

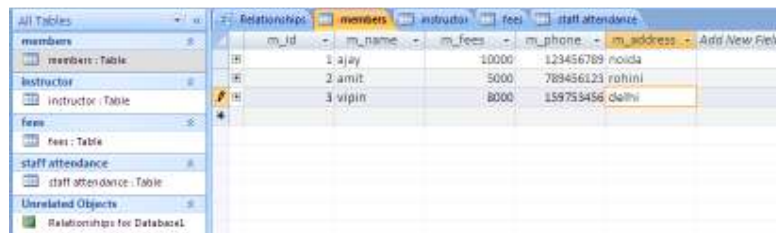


Field Name	Data Type
i_id	Number
a_date	Date/Time
a_time	Date/Time

(ii) Create suitable database to support/accommodate all the functionalities referred above. Perform Normalization till required NF and prepare Normalized tables.

Ans

Database for member table



m_id	m_name	m_fees	m_phone	m_address
1	ajay	10000	123456789	mumbai
2	amit	5000	789456123	rohini
3	vipin	8000	159753456	delhi

Database for instructor table

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i_id	i_name	i_phone
101	mr raj	123789456
102	mr gupta	793852987
103	mr aggarwal	4715820936

Database for fees table

f_id	m_id	f_amt	f_date
201	1	10000	9/19/2013
202	3	8000	9/14/2013
203	2	5000	9/22/2013

Database for staff attendance table

s_id	i_name	a_date	a_time
101	mr raj	9/20/2013	10:00:00 AM
102	mr gupta	9/20/2013	10:10:00 AM
103	mr aggarwal	9/20/2013	9:50:00 AM

- (iii) Using MS-Access, design various forms to support the Gyms’ front office operations such as enquiry form, registration, to display various batch schedules for both Men and Women, facilities, equipment, Details of Gym Instructors, Details of Dieticians, fee-structure, Discounts/Offer (if any), staff details, list of phone numbers, etc.

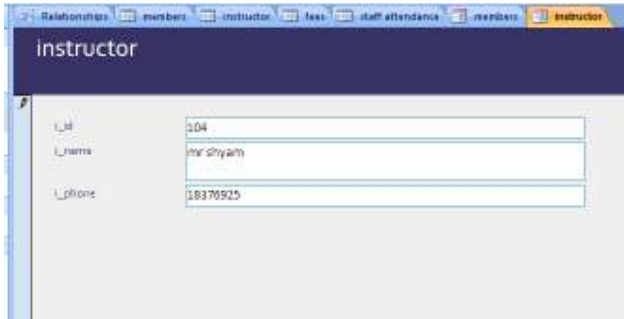
Ans

Form for member details

m_id	1
m_name	aman
m_fee	7500
m_phone	879548321
m_address	rohini

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Form for instructor detail



Field	Value
i_id	104
i_name	Mr Shyam
i_phone	18370925

Form for fees structure details



Field	Value
f_id	204
m_id	1
f_amt	7500
f_date	9/28/2013

- (iv) Report generation like daily reports of attendance of the registered visitors/participants, list of complaints on equipment (if any), staff attendance, fees collection on a particular day etc.

Ans

Report for staff attendance



Lid / Name	a_date	a_time
101 Mr Raj	9/28/2013	10:00:00 AM
102 Mr Gupta	9/28/2013	10:10:00 AM
103 Mr Aggarwal	9/28/2013	9:50:00 AM

Sunday, September 28, 2013 Page: 1 of 1

Report for fees details

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The image shows a screenshot of a database table named 'fees1'. The table has four columns: 'f_id', 'm_id', 'f_amt', and 'f_date'. There are three rows of data. A large, semi-transparent 'CPD' watermark is overlaid on the right side of the image.

f_id	m_id	f_amt	f_date
101	1	10000	31/12/2013
102	3	8000	31/12/2013
103	4	5000	31/12/2013