



American International University-Bangladesh

Project Title:

Sporting Club Management System

Course Name:

ADVANCE DATABASE MANAGEMENT SYSTEM

Section: A

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Introduction:

Sporting Club Management System: This system will help the users do their task easily and efficiently. It will also restrict unauthorized access to confidential data.

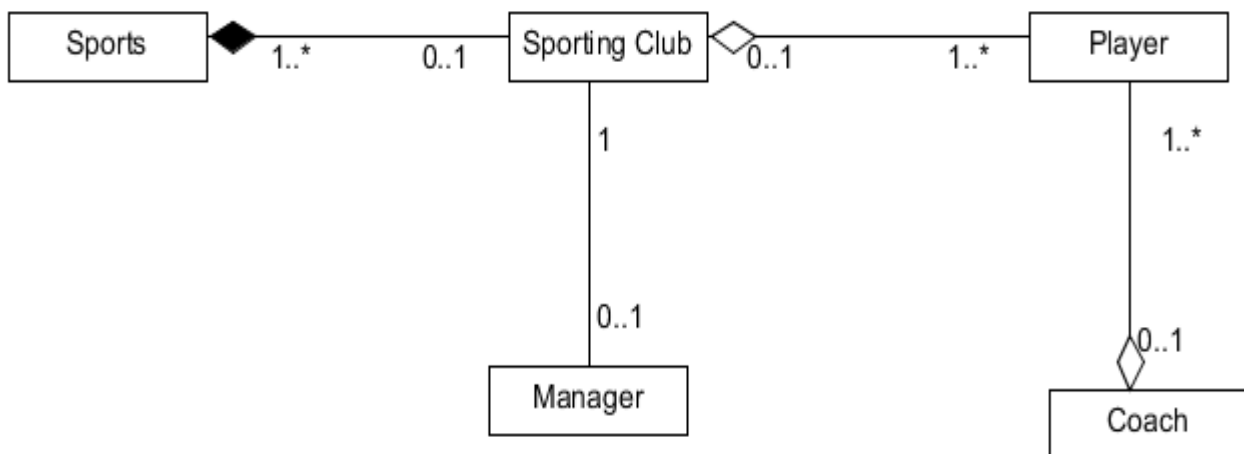
Project proposal:

Sporting Club Management System: We designed this system for 3 types of users,

1. Manager
2. Player
3. Coach

The system is designed to manage player registration, club activity, sensitive personal and financial data of a sporting club.

Class Diagram:



Manager
-M_ID: String = none{assigned by system} -Manager Name: String = Blank -/Salary: double(dollar) = null -/Phone: String = none -Email: String = blank - Address : Address = null
+getName():String +setName(name:String) +getSalary():Double +setSalary(salary:double) +getPhone():string +setPhone(Phone:string) +getEmail():String +setEmail(Email:String) +getAddress():Address +setAddress(Street:String, city:string, state: string, Zipcode: integer)

Sporting Club
-Club_ID: String = none{assigned by system} -Club Name: String = Blank -Establish year: Date=Date/Month/year -/Phone: String = none -Email: String = blank - Address : Address = null
+getName():String +setName(name:String) +getEstablishYear():Date +setEstablishyear(Date:Date) +getPhone():string +setPhone(Phone:string) +getEmail():String +setEmail(Email:String) +getAddress():Address +setAddress(Street:String, city:string, state: string, Zipcode: integer)

Player
-P_ID: String = none{assigned by system} -Player Name: String = Blank -/Salary: double(dollar) = null -/Phone: String = none -Email: String = blank - Address : Address = null
+getName():String +setName(name:String) +getSalary():Double +setSalary(salary:double) +getPhone():string +setPhone(Phone:string) +getEmail():String +setEmail(Email:String) +getAddress():Address +setAddress(Street:String, city:string, state: string, Zipcode: integer)

Coach
-C_ID: String = none{assigned by system} -Coach Name: String = Blank -/Salary: double(dollar) = null -join:date= Date/Month/year(system) -/Phone: String = none -Email: String = blank - Address : Address = null
+getName():String +setName(name:String) +getSalary():Double +setSalary(salary:double) +getPhone():string +setPhone(Phone:string) +getEmail():String +getAddress():Address +setAddress(Street:String, city:string, state: string, Zipcode: integer)

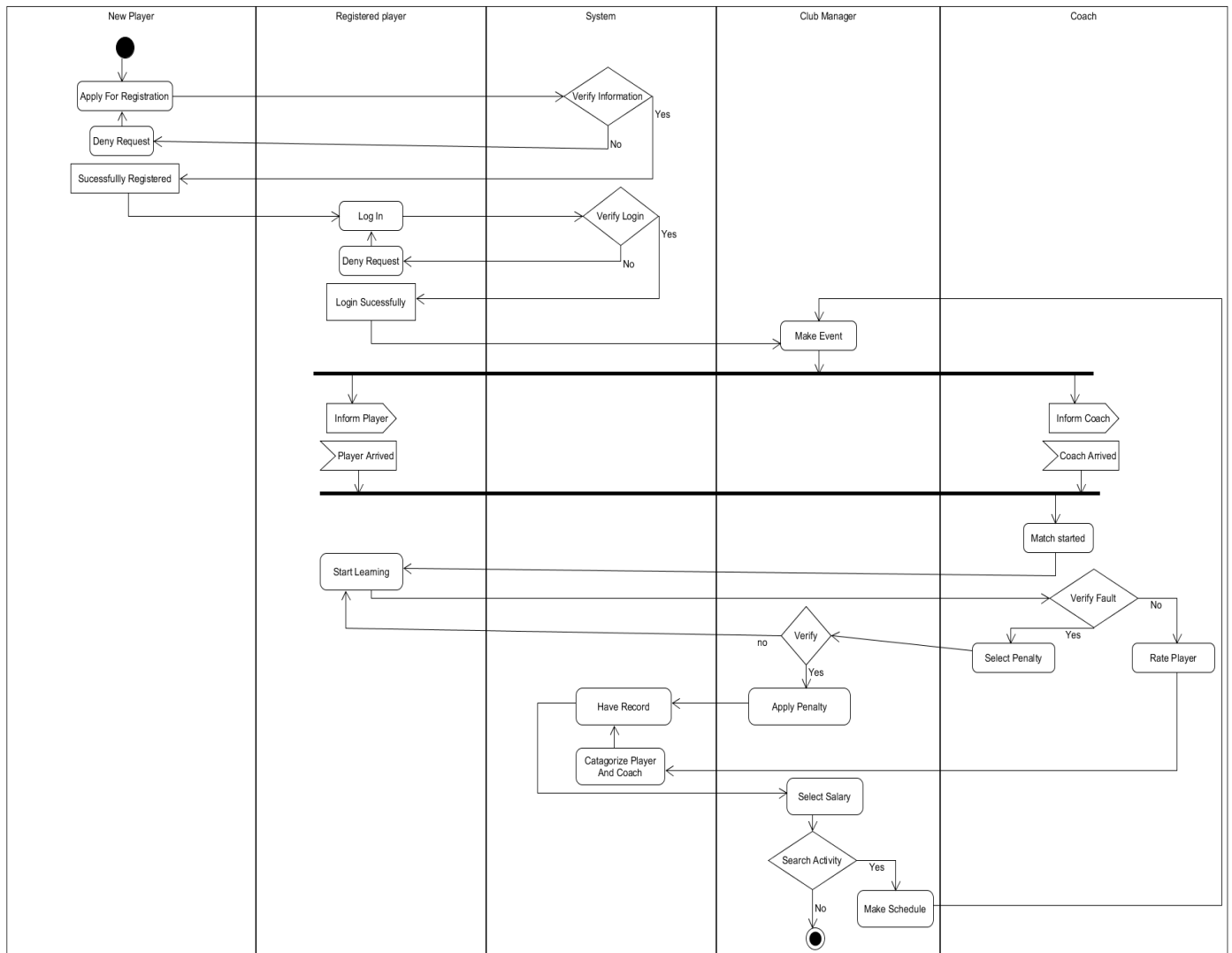
Sports
-S_ID: String = none{assigned by system} - Name: String = Blank -sportsType: String = Blank +Indoor: Boolean= false; +outdoor: Boolean= false;
+getName():String +setName(name:String) +getsportsType():String +setsportsType(name:String)



Use Case Diagram:



Activity Diagram:



User Interface:

The image displays two screenshots of a web application interface.

Sports Window: This window has a title bar with standard minimize, maximize, and close buttons. The main content area is titled "Sports" and contains four input fields on the left: "Sporting Club :" with a placeholder "Club Name", "Sport ID :" with a placeholder "ID", "Sports Name :" with a placeholder "Name", and "Sports Type :" which is a dropdown menu. To the right of these fields is a large empty rectangular box labeled "SportsList". At the bottom of the window are three buttons: "Edit", "Update", and "Back".

SportingClub Window: This window also has a title bar with standard minimize, maximize, and close buttons. The main content area is divided into two sections. The left section, titled "Sporting Club Home", contains three stacked buttons labeled "Player", "Coach", and "Sports". The right section, titled "Club Details", contains five input fields: "Club ID :" with a placeholder "ID", "Club Name :" with a placeholder "Name", "Phone :" with a placeholder "Phone", "Address :" with a placeholder "Address", and "Email :" with a placeholder "Email". Below these fields is a label "Established :" followed by a placeholder "Year". At the bottom right of the "Club Details" section is an "Update" button.



SignUp

Registration

Name	<input type="text"/>	Address	<input type="text"/>
	This Field is Required		*This Field is Required*
User Name	<input type="text"/>		
	This Field is Required		
Password	<input type="text"/>	Email	<input type="text"/>
	This Field is Required		*This Field is Required*
Confirm Password	<input type="text"/>	Blood Group	<input type="text"/>
	This Field is Required		*This Field is Required*
Date Of Birth	Friday , April <input type="text"/>	Employee Type	<input type="text"/>
	This Field is Required		*This Field is Required*
Gender	<input type="radio"/> Male <input type="radio"/> Female	Salary	<input type="text"/>
	This Field is Required		*This Field is Required*

☐ Agree to the Terms and Conditions

Player

Player Profile

Player ID :	<input type="text" value="ID"/>	PlayersList
Player Name :	<input type="text" value="Name"/>	
Phone :	<input type="text" value="Phone"/>	
Email :	<input type="text" value="Email"/>	
Address :	<input type="text" value="Address"/>	
Salary :	<input type="text" value="Salary"/>	
Trained By :	<input type="text" value="Coach"/>	
Sporting Club :	<input type="text" value="Club Name"/>	
Sports :	<input type="text" value="Sports"/>	



ManagerHome

Manager Home

Sporting Club

Player

Coach

Sports

View/Edit Profile

Manager ID : ID

Manager Name : Name

Phone : Phone

Address : Address

Email : Email

Salary : Salary

Update

Login

Log In

User Name

Password

Log In

Do Not Have An Account?

Sign Up



The screenshot shows a web application window titled "Coach". It features a "Home" tab and a form for adding a coach. The form includes the following fields:

- Coach ID :**
- Coach Name :**
- Phone :**
- Email :**
- Address :**
- Salary :**
- Sporting Club :**
- Sport Type :**
- Trainees :**
- Join Date :**

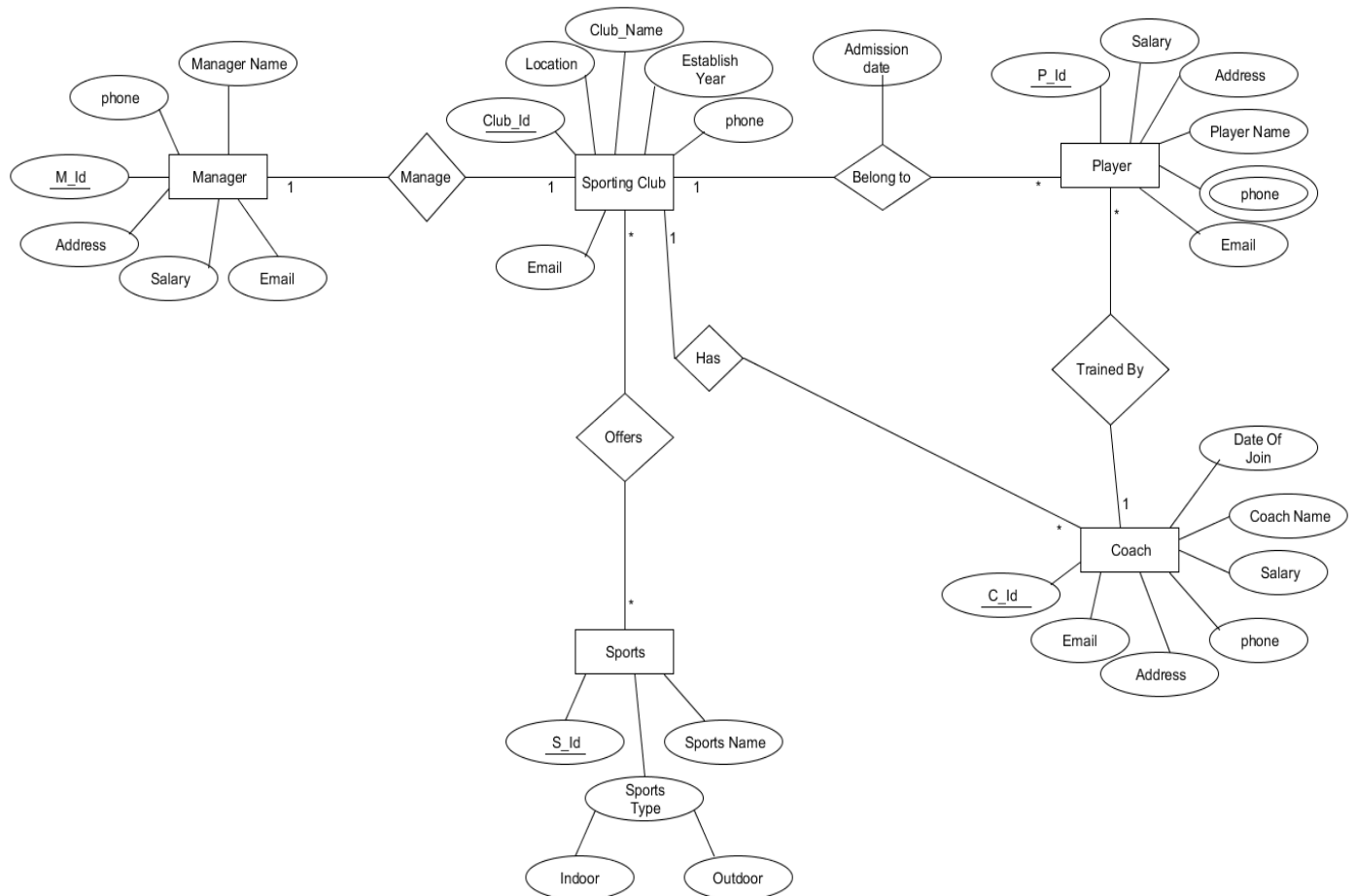
To the right of the form is a large empty box labeled "CoachList". At the bottom right of the window is an "Update" button.

Scenario:

In a sporting club management system, a lot of players belongs to a sporting club. Here many players can join one sporting club. A sporting club is identified by club name, unique club ID, Establish year & Phone number. In sporting club a player is identified by Player name, unique Player ID, Address and Phone number. There may be a multiple phone numbers for one player. The club has one manager to manage all the activities with unique manager id, manager name, phone number, email, address and salary. A manager can manage a club at a time. The club offers many sports. Sports are identified by Sports name, unique sports id, Sports type which will be partitioned by indoor and outdoor types. Many players can be trained by one coach and many coach can also join in one sporting club. If a coach wants to join in a sporting club he will issued with coach ID, coach address, coach name, phone number, email, salary and join date.



ER Diagram:



Normalization:

Manage:

U NF :

Manage(Club ID, Establish Year , Club_Name , Location , Phone , Email , , M ID, M_name , M_Address , M_Phone , M_Email, M_salary)

1 NF :

There is no multi valued attribute. Relation already in 1NF.

1. Club ID, Establish Year , Club_Name , Location , Phone , Email, M ID, M_name , M_Address , M_Phone , M_Email, M_salary.

2 NF :

1. Club ID, Establish Year, Club_Name , Location , Phone, Email
2. M ID, M_name , M_Address , M_Phone , M_Email, M_salary

3 NF :

There is no transitive dependency. Relation already in 3NF.

1. Club ID, Establish Year, Club_Name , Location , Phone, Email
2. M ID, M_name , M_Address , M_Phone , M_Email, M_salary

Table Creation:

1. Club ID, Establish Year, Club_Name , Location , Phone, Email
2. M ID, M_name , M_Address , M_Phone , M_Email, M_salary, **Club ID**

Belongs to:

U NF :

Belongs to (Club ID , Establish Year , Club Name , Location , Phone , Email, Admission_Date , P ID , P_name ,P_Address , P_Phone,P_Salary ,P_Email)

1 NF :

P_Phone is a multi valued attribute.

1. Club ID , Establish Year , Club Name , Location , Phone , Email, Admission_Date , P ID , P_name, P_Address, P_Phone, P_Salary, P_Email



2 NF :

1. Club ID, Location , Club Name , Phone , Establish Year, Email.
2. P ID , P Phone , P_Name , P_Address ,P_Email, P_Salary
3. Club ID , P ID ,Admission_Date

3 NF :

There is no transitive dependency. Relation already in 3NF.

1. Club ID , Location , Club Name, Establish Year, Phone , Email.
2. P ID , P Phone , P_Name , P_Address ,P_Email, P_Salary.
3. Club ID , P ID ,Admission_Date

Table Creation:

1. Club ID , Location , Club Name, Establish Year, Phone , Email.
2. P ID , P Phone , P_Name , P_Address ,P_Email, P_Salary, **Club_ID** .
3. Club ID , P ID ,Admission_Date

Trained By:

U NF :

Trained By(P ID, P_Name ,P_ Address , P_Phone , P_Email, P_Salary ,C ID, C_Name , C_Salary , C_Address,C_Phone, C_Email, Date of join)

1 NF :

P_Phone is a multi valued attribute.

1. P ID, P_Name ,P_ Address , P_Phone , P_Email, P_Salary ,C ID, C_Name , C_Salary , C_Address, C_Phone, C_Email, Date of join.

2 NF :

1. P ID , P Phone , P_Name , P_Address , P_Phone , P_Email, P_Salary.
2. C ID , , C_Name , C_Salary , C_Address, C_Phone, C_Email, Date of join.

3 NF :

There is no transitive dependency. Relation already in 3NF.



1. P_ID , P_Phone , P_Name , P_Address , P_Phone , P_Email, P_Salary.
3. C_ID , C_Name , C_Salary , C_Address, C_Phone, C_Email, Date of join.

Table Creation:

1. P_ID , P_Phone , P_Name , P_Address , P_Phone , P_Email, P_Salary, **C_ID** .
4. C_ID , C_Name , C_Salary , C_Address, C_Phone, C_Email, Date of join.

Has:

U NF :

Has(Club_ID, Location , Club_Name , Phone , Eshtabliish Year, Email, C_ID, C_Name, C_Salary , C_Address,C_Phone, C_Email, Date of join)

1 NF :

There is no multi valued attribute. Relation already in 1NF

1. Club_ID , C_ID , Location , Club_Name , Phone , Eshtabliish Year, Email, C_Name, C_Salary , C_Address,C_Phone, C_Email, Date of join,

2 NF :

1. Club_ID , Location , Club_Name , Phone , Eshtabliish Year, Email.
2. C_ID , C_Name, C_Salary , C_Address,C_Phone, C_Email, Date of join.

3 NF :

There is no transitive dependency. Relation already in 3NF.

1. Club_ID , Location , Club_Name , Phone , Eshtabliish Year, Email.
2. C_ID , C_Name, C_Salary , C_Address,C_Phone, C_Email, Date of join.

Table Creation:

1. Club_ID , Location , Club_Name , Phone , Eshtabliish Year, Email.
2. C_ID , C_Name, C_Salary , C_Address,C_Phone, C_Email, Date of join, **Club_ID**.



Offers:

U NF :

Offers(Club_ID , Phone , Email, Club_Name , Establish Year , Location , S_ID , Sports Name , Indoor , Outdoor)

1 NF :

There is no multi valued attribute. Relation already in 1NF.

1. Club_ID , Phone , Email, Club_Name , Establish Year , Location , S_ID , Sports Name , Indoor , Outdoor.

2 NF :

1. Club_ID , Establish Year , Club_Name , Location , Phone , Email
2. S_ID , Sports Name , Indoor , Outdoor .

3 NF :

There is no transitive dependency. Relation already in 3NF.

1. Club_ID , Establish Year , Club_Name , Location , Phone , Email
2. S_ID , Sports Name , Indoor , Outdoor .

Table Creation:

1. Club_ID, Establish Year , Club_Name , Location , Phone , Email
2. S_ID, Sports Name, Indoor , Outdoor.
3. Club_ID, S_ID

Temporary Tables:

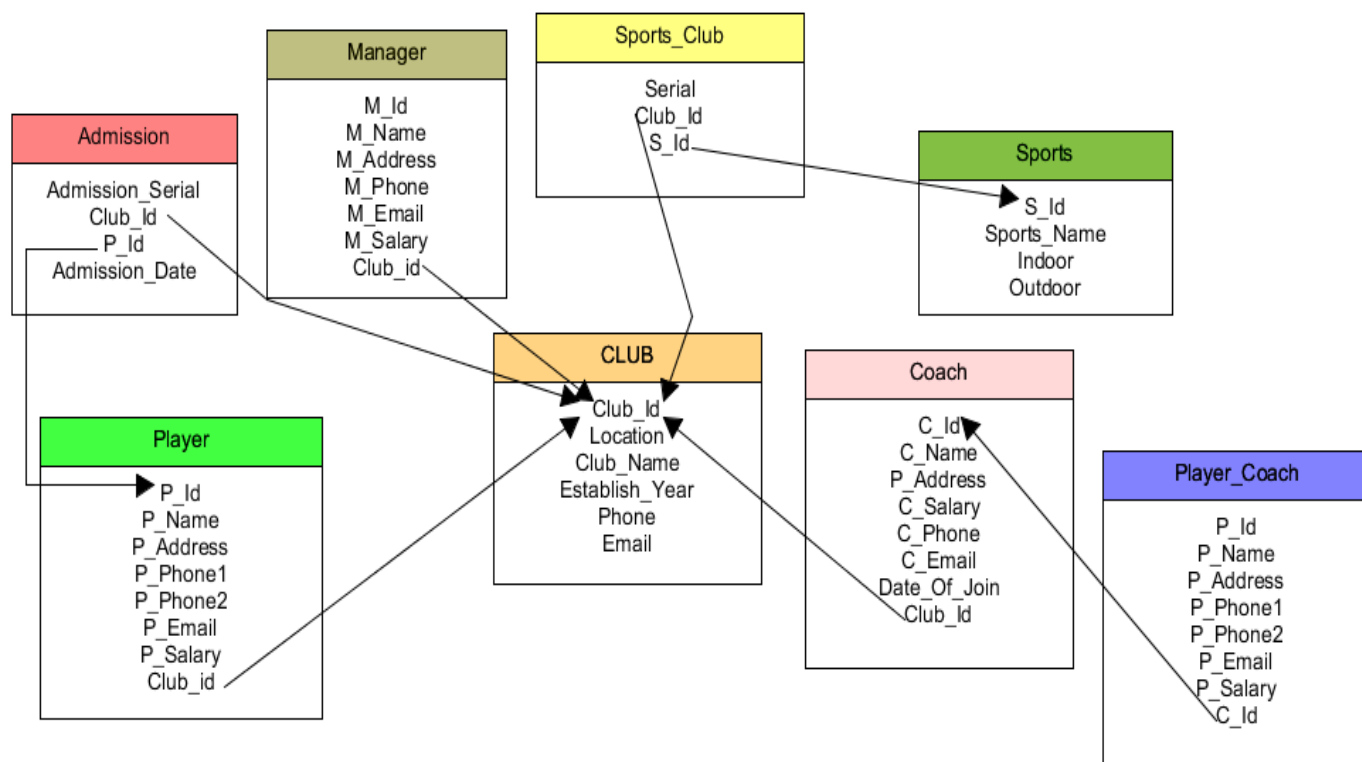
1. ~~Club_ID, Establish Year, Club_Name , Location , Phone, Email~~
2. M_ID, M_name , M_Address , M_Phone , M_Email, M_salary, **Club_ID**
3. Club_ID , P_ID ,Admission_Date
4. Club_ID , Location , Club Name, Establish Year, Phone , Email.
5. P_ID , P_Phone , P_Name , P_Address ,P_Email, P_Salary, **Club_ID** .
6. P_ID , P_Name , P_Address , P_Phone , P_Email, P_Salary, **C_ID** .
7. ~~C_ID, C_Name , C_Salary , C_Address, C_Phone, C_Email, Date of join.~~
8. ~~Club_ID , Location , Club_Name , Phone , Eshtablish Year, Email.~~
9. C_ID , C_Name, C_Salary , C_Address, C_Phone, C_Email, Date of join, **Club_ID**.
10. ~~Club_ID, Establish Year , Club_Name , Location , Phone , Email~~
11. S_ID, Sports Name, Indoor , Outdoor.
12. **Club_ID**, **S_ID**



Final Table:

1. M_ID, M_name , M_Address , M_Phone , M_Email, M_salary, **Club ID**
2. Club ID , Location , Club Name, Establish Year , Phone , Email.
3. P_ID , P_Phone1, P_Phone2, P_Name , P_Address ,P_Email, P_Salary, **Club_ID** .
4. P_ID, P_Name , P_Address , P_Phone1, P_Phone2, P_Email, P_Salary, **C_ID** .
5. C_ID , C_Name, C_Salary , C_Address,C_Phone, C_Email, Date of join, **Club_ID**.
6. S_ID, Sports_Name, Indoor , Outdoor.
7. Serial, **Club_ID**, **S_ID**
8. Admission Serial, **Club ID** , **P ID** ,Admission_Date

Schema diagram:



Sequence Creation:

User: SPORTINGCLUBMANAGEMENT

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE SEQUENCE Manager_seq
INCREMENT BY 1
START WITH 1
MAXVALUE 10
NOCACHE
NOCYCLE;

CREATE SEQUENCE club_seq
INCREMENT BY 10
START WITH 100
MAXVALUE 500
NOCACHE
NOCYCLE;

CREATE SEQUENCE palver_seq
INCREMENT BY 9
START WITH 20
MAXVALUE 100
NOCACHE
NOCYCLE;
```

Results Explain Describe Saved SQL History

Enter SQL statement or PL/SQL command and click Run to see the results.



User: SPORTINGCLUBMANAGEMENT

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE SEQUENCE coach_seq
INCREMENT BY 10
START WITH 1000
MAXVALUE 2000
NOCACHE
NOCYCLE;

CREATE SEQUENCE sports_seq
INCREMENT BY 2
START WITH 10
MAXVALUE 100
NOCACHE
NOCYCLE;

CREATE SEQUENCE sportsClub_seq
INCREMENT BY 7
START WITH 50
MAXVALUE 200
NOCACHE
NOCYCLE;

CREATE SEQUENCE Admission_seq
INCREMENT BY 5
START WITH 7
MAXVALUE 100
NOCACHE
NOCYCLE;
```

Results Explain Describe Saved SQL History

Enter SQL statement or PL/SQL command and click Run to see the results.

Table Creation:



ORACLE® Database Express Edition

User: SPORTINGCLUBMANAGEMENT

Home > SQL > SQL Commands

☒ Autocommit Display 10

```

CREATE TABLE CLUB
(CLUB_ID NUMBER(10) CONSTRAINT PK_club PRIMARY KEY,
CLUB_NAME VARCHAR2(25) ,
LOCATION VARCHAR2(50),
ESTABLISH_YEAR NUMBER(10),
PHONE NUMBER(20),
EMAIL VARCHAR2(50));

CREATE TABLE MANAGER
(M_ID NUMBER(10) CONSTRAINT PK_man PRIMARY KEY,
M_NAME VARCHAR2(25) ,
M_ADDRESS VARCHAR2(50),
M_PHONE NUMBER(20),
M_SALARY NUMBER(20),
EMAIL VARCHAR2(50),
CLUB_ID NUMBER(10) CONSTRAINT FK_man REFERENCES CLUB(CLUB_ID));

CREATE TABLE PLAYER
(P_ID NUMBER(10) CONSTRAINT PK_player PRIMARY KEY,
P_NAME VARCHAR2(25) ,
P_ADDRESS VARCHAR2(50),
P_PHONE1 NUMBER(20),
P_PHONE2 NUMBER(20),
P_SALARY NUMBER(20),
P_EMAIL VARCHAR2(50),
CLUB_ID NUMBER(10) CONSTRAINT FK_player REFERENCES CLUB(CLUB_ID)); |

```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

ORACLE® Database Express Edition

User: SPORTINGCLUBMANAGEMENT

Home > SQL > SQL Commands

☒ Autocommit Display 10

```

CREATE TABLE COACH
(C_ID NUMBER(10) CONSTRAINT PK_coach PRIMARY KEY,
C_NAME VARCHAR2(25),
C_ADDRESS VARCHAR2(50),
C_PHONE NUMBER(20),
C_SALARY NUMBER(20),
C_EMAIL VARCHAR2(50),
DATE_OF_JOIN DATE,
CLUB_ID NUMBER(10) CONSTRAINT FK_coach REFERENCES CLUB(CLUB_ID));

CREATE TABLE PLAYER_COACH
(P_ID NUMBER(10) CONSTRAINT PK_coaPla PRIMARY KEY,
P_NAME VARCHAR2(25) ,
P_ADDRESS VARCHAR2(50),
P_PHONE1 NUMBER(20),
P_PHONE2 NUMBER(20),
P_SALARY NUMBER(20),
P_EMAIL VARCHAR2(50),
C_ID NUMBER(10) CONSTRAINT FK_coapla REFERENCES COACH(C_ID));

CREATE TABLE SPORTS
(S_ID NUMBER(10) CONSTRAINT PK_sports PRIMARY KEY,
SPORTS_NAME VARCHAR2(25),
INDOOR VARCHAR2(50),
OUTDOOR VARCHAR2(20)); |

```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)


ORACLE® Database Express Edition

User: SPORTINGCLUBMANAGEMENT

Home > SQL > SQL Commands

☒ Autocommit Display 10

```

CREATE TABLE SPORTS_CLUB
(Serial NUMBER(10) CONSTRAINT PK_SpCl2 PRIMARY KEY,
S_ID NUMBER(10) CONSTRAINT FK_clubid3 REFERENCES SPORTS(S_ID),
CLUB_ID NUMBER(10) CONSTRAINT FK_clubid2 REFERENCES CLUB(CLUB_ID));

CREATE TABLE ADMISSION
(Admission_Serial NUMBER(10) CONSTRAINT PK_Admid PRIMARY KEY,
CLUB_ID NUMBER(10) CONSTRAINT FK_clubid REFERENCES CLUB(CLUB_ID),
P_ID NUMBER(10) CONSTRAINT FK_PlayerId REFERENCES Player(P_ID),
Admission_Date DATE);

```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

Enter SQL statement or PL/SQL command and click Run to see the results.

Index Creation:

User: SPORTINGCLUBMANAGEMENT

Home > SQL > SQL Commands

☒ Autocommit Display 10

```

CREATE INDEX Club_index
ON CLUB(CLUB_ID, CLUB_NAME, EMAIL);

CREATE INDEX Manager_index
ON MANAGER(M_ID, M_NAME, M_SALARY, EMAIL);

CREATE INDEX Player_index
ON PLAYER(P_ID, P_NAME, P_EMAIL);

CREATE INDEX Coach_index
ON COACH(C_ID, C_NAME, DATE_OF_JOIN, C_EMAIL, CLUB_ID);
CREATE INDEX CoachPlayer_index
ON PLAYER_COACH(P_ID, P_NAME, P_EMAIL, C_ID);

CREATE INDEX Sports_index
ON SPORTS(S_ID, SPORTS_NAME);

CREATE INDEX Admission_index
ON ADMISSION(CLUB_ID, P_ID, Admission_Serial);

```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

Enter SQL statement or PL/SQL command and click Run to see the results.



Data Insertion:

Club Table:

ORACLE Database Express Edition

User: SPORTINGCLUBMANAGEMENT

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
INSERT INTO CLUB(CLUB_ID,CLUB_NAME,LOCATION, ESTABLISH_YEAR, PHONE,EMAIL) VALUES(club_seq.NEXTVAL,'BMC','DHAKA',1999,01789658742,'bmc@gmail.com');
INSERT INTO CLUB(CLUB_ID,CLUB_NAME,LOCATION, ESTABLISH_YEAR, PHONE,EMAIL) VALUES(club_seq.NEXTVAL,'ABC','Abdullapur',1968,01896784821,'abc@gmail.com');
INSERT INTO CLUB(CLUB_ID,CLUB_NAME,LOCATION, ESTABLISH_YEAR, PHONE,EMAIL) VALUES(club_seq.NEXTVAL,'RGB','Rangpur',2005,01389687452,'rgb@gmail.com');
INSERT INTO CLUB(CLUB_ID,CLUB_NAME,LOCATION, ESTABLISH_YEAR, PHONE,EMAIL) VALUES(club_seq.NEXTVAL,'LBT','Lalmonirhat',2001,01896748521,'lbt@gmail.com');
INSERT INTO CLUB(CLUB_ID,CLUB_NAME,LOCATION, ESTABLISH_YEAR, PHONE,EMAIL) VALUES(club_seq.NEXTVAL,'SUT','Syhlet',1975,01723487512,'sut@gmail.com');

select * from club
```

Results Explain Describe Saved SQL History

CLUB_ID	CLUB_NAME	LOCATION	ESTABLISH_YEAR	PHONE	EMAIL
100	BMC	DHAKA	1999	1789658742	bmc@gmail.com
110	ABC	Abdullapur	1968	1896784821	abc@gmail.com
120	RGB	Rangpur	2005	1389687452	rgb@gmail.com
130	LBT	Lalmonirhat	2001	1896748521	lbt@gmail.com
140	SUT	Syhlet	1975	1723487512	sut@gmail.com

5 rows returned in 0.00 seconds [CSV Export](#)

Language: en-us Application Express 2.1.0.00.38 Copyright © 1999, 2008, Oracle. All rights reserved.

User: SPORTINGCLUBMANAGEMENT

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
select * from club;
```

Results Explain Describe Saved SQL History

CLUB_ID	CLUB_NAME	LOCATION	ESTABLISH_YEAR	PHONE	EMAIL
100	BMC	DHAKA	1999	1789658742	bmc@gmail.com
110	ABC	Abdullapur	1968	1896784821	abc@gmail.com
120	RGB	Rangpur	2005	1389687452	rgb@gmail.com
130	LBT	Lalmonirhat	2001	1896748521	lbt@gmail.com
140	SUT	Syhlet	1975	1723487512	sut@gmail.com

5 rows returned in 0.00 seconds [CSV Export](#)



Manager Table:

☒ Autocommit Display 10 Save Run

```
INSERT INTO MANAGER(M_ID,M_NAME,M_ADDRESS, M_PHONE, M_SALARY,EMAIL,CLUB_ID) VALUES(manager_seq.NEXTVAL,'Tanusree','Lalmonirhat',01785963124,5000,'tanu@gmail.com',100);
INSERT INTO MANAGER(M_ID,M_NAME,M_ADDRESS, M_PHONE, M_SALARY,EMAIL,CLUB_ID) VALUES(manager_seq.NEXTVAL,'Sanowar','Dhaka',01787859124,6000,'sanowar@gmail.com',120);
INSERT INTO MANAGER(M_ID,M_NAME,M_ADDRESS, M_PHONE, M_SALARY,EMAIL,CLUB_ID) VALUES(manager_seq.NEXTVAL,'Mariam','Rajshahi',01875964218,5000,'mariam@gmail.com',110);
INSERT INTO MANAGER(M_ID,M_NAME,M_ADDRESS, M_PHONE, M_SALARY,EMAIL,CLUB_ID) VALUES(manager_seq.NEXTVAL,'Sakib','Dhaka',01776859124,7000,'sakib@gmail.com',130);
INSERT INTO MANAGER(M_ID,M_NAME,M_ADDRESS, M_PHONE, M_SALARY,EMAIL,CLUB_ID) VALUES(manager_seq.NEXTVAL,'Abu','Dhaka',01789635124,10000,'abu@gmail.com',140);
select * from Manager
```

Results Explain Describe Saved SQL History

M_ID	M_NAME	M_ADDRESS	M_PHONE	M_SALARY	EMAIL	CLUB_ID
3	Mariam	Rajshahi	1875964218	5000	mariam@gmail.com	110
4	Sakib	Dhaka	1776859124	7000	sakib@gmail.com	130
5	Abu	Dhaka	1789635124	10000	abu@gmail.com	140
1	Tanusree	Lalmonirhat	1785963124	5000	tanu@gmail.com	100
2	Sanowar	Dhaka	1787859124	6000	sanowar@gmail.com	120

5 rows returned in 0.00 seconds [CSV Export](#)

User: SPORTINGCLUBMANAGEMENT

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
select * from manager;
```

Results Explain Describe Saved SQL History

M_ID	M_NAME	M_ADDRESS	M_PHONE	M_SALARY	EMAIL	CLUB_ID
3	Mariam	Rajshahi	1875964218	5000	mariam@gmail.com	110
4	Sakib	Dhaka	1776859124	7000	sakib@gmail.com	130
5	Abu	Dhaka	1789635124	10000	abu@gmail.com	140
1	Tanusree	Lalmonirhat	1785963124	5000	tanu@gmail.com	100
2	Sanowar	Dhaka	1787859124	6000	sanowar@gmail.com	120

5 rows returned in 0.01 seconds [CSV Export](#)



Player Table:

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```

INSERT INTO MANAGER(P_ID,P_NAME,P_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,CLUB_ID)
VALUES(palyer_seq.NEXTVAL,'Manager','Dhaka',01785963124,01785963184,1000,'manager@gmail.com',100);
select * from Manager

INSERT INTO PLAYER(P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,CLUB_ID)
VALUES(palyer_seq.NEXTVAL,'Rahim','Dhaka',01785963124,01785963184,1000,'rahim@gmail.com',100);
INSERT INTO PLAYER(P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,CLUB_ID)
VALUES(palyer_seq.NEXTVAL,'Karim','Syhlet',01785963174,01785963188,3000,'karim@gmail.com',110);
INSERT INTO PLAYER(P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,CLUB_ID)
VALUES(palyer_seq.NEXTVAL,'Rahima','Rangpur',01785963185,01785968965,2000,'rahima@gmail.com',130);
INSERT INTO PLAYER(P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,CLUB_ID)
VALUES(palyer_seq.NEXTVAL,'Karima','Dhaka',01785963124,01785963184,4000,'karima@gmail.com',140);
INSERT INTO PLAYER(P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,CLUB_ID)
VALUES(palyer_seq.NEXTVAL,'Esha','Dhaka',01785967524,01785963794,5000,'esha@gmail.com',120);

select * from player
  
```

Results Explain Describe Saved SQL History

P_ID	P_NAME	P_ADDRESS	P_PHONE1	P_PHONE2	P_SALARY	P_EMAIL	CLUB_ID
20	Rahim	Dhaka	1785963124	1785963184	1000	rahim@gmail.com	100
29	Karim	Syhlet	1785963174	1785963188	3000	karim@gmail.com	110
38	Rahima	Rangpur	1785963185	1785968965	2000	rahima@gmail.com	130
47	Karima	Dhaka	1785963124	1785963184	4000	karima@gmail.com	140
56	Esha	Dhaka	1785967524	1785963794	5000	esha@gmail.com	120

5 rows returned in 0.00 seconds

[CSV Export](#)

Application Express 2.1.0.00.39

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```

select * from player;
  
```

Results Explain Describe Saved SQL History

P_ID	P_NAME	P_ADDRESS	P_PHONE1	P_PHONE2	P_SALARY	P_EMAIL	CLUB_ID
20	Rahim	Dhaka	1785963124	1785963184	1000	rahim@gmail.com	100
29	Karim	Syhlet	1785963174	1785963188	3000	karim@gmail.com	110
38	Rahima	Rangpur	1785963185	1785968965	2000	rahima@gmail.com	130
47	Karima	Dhaka	1785963124	1785963184	4000	karima@gmail.com	140
56	Esha	Dhaka	1785967524	1785963794	5000	esha@gmail.com	120

5 rows returned in 0.00 seconds

[CSV Export](#)



Coach Table:

ORACLE Database Express Edition

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```
INSERT INTO COACH(C_ID,C_NAME,C_ADDRESS, C_PHONE, C_SALARY,C_EMAIL, DATE_OF_JOIN, CLUB_ID)
VALUES(coach_seq.NEXTVAL,'Karim','Syhlet',01785963174,3000,'karim@gmail.com',to_date('20-2-1981','dd-mm-yyyy'),110);
INSERT INTO COACH(C_ID,C_NAME,C_ADDRESS, C_PHONE, C_SALARY,C_EMAIL, DATE_OF_JOIN, CLUB_ID)
VALUES(coach_seq.NEXTVAL,'Scot','Rangpur',01785968794,40000,'scot@gmail.com',to_date('07-11-2000','dd-mm-yyyy'),120);
INSERT INTO COACH(C_ID,C_NAME,C_ADDRESS, C_PHONE, C_SALARY,C_EMAIL, DATE_OF_JOIN, CLUB_ID)
VALUES(coach_seq.NEXTVAL,'Tiger','Khulna',01875963174,35000,'tiger@gmail.com',to_date('27-10-2005','dd-mm-yyyy'),130);
INSERT INTO COACH(C_ID,C_NAME,C_ADDRESS, C_PHONE, C_SALARY,C_EMAIL, DATE_OF_JOIN, CLUB_ID)
VALUES(coach_seq.NEXTVAL,'Finn','Barisal',01985963174,50000,'finn@gmail.com',to_date('25-8-2020','dd-mm-yyyy'),100);
INSERT INTO COACH(C_ID,C_NAME,C_ADDRESS, C_PHONE, C_SALARY,C_EMAIL, DATE_OF_JOIN, CLUB_ID)
VALUES(coach_seq.NEXTVAL,'Denver','Noakhali',01985963174,6000,'denver@gmail.com',to_date('15-9-2008','dd-mm-yyyy'),140);
```

Select * from coach

[Results](#)
[Explain](#)
[Describe](#)
[Saved SQL](#)
[History](#)

C_ID	C_NAME	C_ADDRESS	C_PHONE	C_SALARY	C_EMAIL	DATE_OF_JOIN	CLUB_ID
1000	Karim	Syhlet	1785963174	3000	karim@gmail.com	20-FEB-81	110
1010	Scot	Rangpur	1785968794	40000	scot@gmail.com	07-NOV-00	120
1020	Tiger	Khulna	1875963174	35000	tiger@gmail.com	27-OCT-05	130
1030	Finn	Barisal	1985963174	50000	finn@gmail.com	25-AUG-20	100
1040	Denver	Noakhali	1985963174	6000	denver@gmail.com	15-SEP-08	140

5 rows returned in 0.00 seconds

[CSV Export](#)

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☒ Autocommit Display 10

select * from Coach;

[Results](#)
[Explain](#)
[Describe](#)
[Saved SQL](#)
[History](#)

C_ID	C_NAME	C_ADDRESS	C_PHONE	C_SALARY	C_EMAIL	DATE_OF_JOIN	CLUB_ID
1000	Karim	Syhlet	1785963174	3000	karim@gmail.com	20-FEB-81	110
1010	Scot	Rangpur	1785968794	40000	scot@gmail.com	07-NOV-00	120
1020	Tiger	Khulna	1875963174	35000	tiger@gmail.com	27-OCT-05	130
1030	Finn	Barisal	1985963174	50000	finn@gmail.com	25-AUG-20	100
1040	Denver	Noakhali	1985963174	6000	denver@gmail.com	15-SEP-08	140

5 rows returned in 0.00 seconds

[CSV Export](#)

Player_Coach Table:

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☒ Autocommit Display 10 Save Run

```

INSERT INTO Player_Coach (P_ID,P_NAME,p ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,C_ID) VALUES(20,'Rahim','Dhaka',01785963124,01785963184,1000,'rahim@gmail.com',1000);
INSERT INTO Player_Coach (P_ID,P_NAME,p ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,C_ID) VALUES(29,'Karim','Syhlet',01785963174,01785963188,3000,'karim@gmail.com',1010);
INSERT INTO Player_Coach (P_ID,P_NAME,p ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,C_ID) VALUES( 38,'Rahima','Rangpur',01785963185,01785968965,2000,'rahima@gmail.com',1030);
INSERT INTO Player_Coach (P_ID,P_NAME,p ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,C_ID) VALUES(47,'Karima','Dhaka',01785963124,01785963184,4000,'karima@gmail.com',1020);
INSERT INTO Player_Coach (P_ID,P_NAME,p ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,C_ID) VALUES(56,'Esha','Dhaka',01785967524,01785963794,5000,'esha@gmail.com',1040);

select * from Player_Coach
  
```

Results Explain Describe Saved SQL History

P_ID	P_NAME	P_ADDRESS	P_PHONE1	P_PHONE2	P_SALARY	P_EMAIL	C_ID
38	Rahima	Rangpur	1785963185	1785968965	2000	rahima@gmail.com	1030
47	Karima	Dhaka	1785963124	1785963184	4000	karima@gmail.com	1020
20	Rahim	Dhaka	1785963124	1785963184	1000	rahim@gmail.com	1000
29	Karim	Syhlet	1785963174	1785963188	3000	karim@gmail.com	1010
56	Esha	Dhaka	1785967524	1785963794	5000	esha@gmail.com	1040

5 rows returned in 0.00 seconds

[CSV Export](#)

ORACLE Database Express Edition

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```

select * from Player_Coach;
  
```

Results Explain Describe Saved SQL History

P_ID	P_NAME	P_ADDRESS	P_PHONE1	P_PHONE2	P_SALARY	P_EMAIL	C_ID
38	Rahima	Rangpur	1785963185	1785968965	2000	rahima@gmail.com	1030
47	Karima	Dhaka	1785963124	1785963184	4000	karima@gmail.com	1020
20	Rahim	Dhaka	1785963124	1785963184	1000	rahim@gmail.com	1000
29	Karim	Syhlet	1785963174	1785963188	3000	karim@gmail.com	1010
56	Esha	Dhaka	1785967524	1785963794	5000	esha@gmail.com	1040

5 rows returned in 0.01 seconds

[CSV Export](#)

Sports_Club Table:

☒ Autocommit Display 10 ▼

```

INSERT INTO SPORTS_CLUB (Serial,S_ID,CLUB_ID) VALUES(sportsClub_seq.NEXTVAL,150,110);
INSERT INTO SPORTS_CLUB (Serial,S_ID,CLUB_ID) VALUES(sportsClub_seq.NEXTVAL,160,120);
INSERT INTO SPORTS_CLUB (Serial,S_ID,CLUB_ID) VALUES(sportsClub_seq.NEXTVAL,170,100);
INSERT INTO SPORTS_CLUB (Serial,S_ID,CLUB_ID) VALUES(sportsClub_seq.NEXTVAL,190,140);
INSERT INTO SPORTS_CLUB (Serial,S_ID,CLUB_ID) VALUES(sportsClub_seq.NEXTVAL,180,130);

select * from sports club

```

Results Explain Describe Saved SQL History

SERIAL	S_ID	CLUB_ID
50	150	110
57	160	120
64	170	100
71	190	140
78	180	130

5 rows returned in 0.00 seconds

[CSV Export](#)

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☒ Autocommit Display 10 ▼

```
select * from Sports_Club;
```

Results Explain Describe Saved SQL History

SERIAL	S_ID	CLUB_ID
50	150	110
57	160	120
64	170	100
71	190	140
78	180	130

5 rows returned in 0.00 seconds

[CSV Export](#)



Sports Table:

☒ Autocommit Display 10 ▼

```

INSERT INTO SPORTS (S_ID,SPORTS_NAME,INDOOR,OUTDOOR) VALUES(club_seq.NEXTVAL,'Cricket','No','Yes');
INSERT INTO SPORTS (S_ID,SPORTS_NAME,INDOOR,OUTDOOR) VALUES(club_seq.NEXTVAL,'Football','No','Yes');
INSERT INTO SPORTS (S_ID,SPORTS_NAME,INDOOR,OUTDOOR) VALUES(club_seq.NEXTVAL,'Table Tennis','YES','No');
INSERT INTO SPORTS (S_ID,SPORTS_NAME,INDOOR,OUTDOOR) VALUES(club_seq.NEXTVAL,'Batminton','No','Yes');
INSERT INTO SPORTS (S_ID,SPORTS_NAME,INDOOR,OUTDOOR) VALUES(club_seq.NEXTVAL,'Tennis','No','Yes');

```

Select * from Sports

Results Explain Describe Saved SQL History

S_ID	SPORTS_NAME	INDOOR	OUTDOOR
150	Cricket	No	Yes
160	Football	No	Yes
170	Table Tennis	YES	No
180	Batminton	No	Yes
190	Tennis	No	Yes

5 rows returned in 0.00 seconds

[CSV Export](#)

User: SPORTINGCLUBMANAGEMENT

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☒ Autocommit Display 10 ▼

select * from sports;

Results Explain Describe Saved SQL History

S_ID	SPORTS_NAME	INDOOR	OUTDOOR
150	Cricket	No	Yes
160	Football	No	Yes
170	Table Tennis	YES	No
180	Batminton	No	Yes
190	Tennis	No	Yes

5 rows returned in 0.00 seconds

[CSV Export](#)



Admission table:

☒ Autocommit Display 10

```

INSERT INTO ADMISSION (Admission_Serial,CLUB_ID,P_ID,Admission_Date) VALUES(Admission_seq.NEXTVAL,110,20,to_date('01-8-2001','dd-mm-yyyy'));
INSERT INTO ADMISSION (Admission_Serial,CLUB_ID,P_ID,Admission_Date) VALUES(Admission_seq.NEXTVAL,140,38,to_date('20-2-2008','dd-mm-yyyy'));
INSERT INTO ADMISSION (Admission_Serial,CLUB_ID,P_ID,Admission_Date) VALUES(Admission_seq.NEXTVAL,130,29,to_date('12-9-2009','dd-mm-yyyy'));
INSERT INTO ADMISSION (Admission_Serial,CLUB_ID,P_ID,Admission_Date) VALUES(Admission_seq.NEXTVAL,120,56,to_date('25-8-2008','dd-mm-yyyy'));
INSERT INTO ADMISSION (Admission_Serial,CLUB_ID,P_ID,Admission_Date) VALUES(Admission_seq.NEXTVAL,100,47,to_date('15-8-1989','dd-mm-yyyy'));

select * from Admission

```

Results Explain Describe Saved SQL History

ADMISSION_SERIAL	CLUB_ID	P_ID	ADMISSION_DATE
17	130	29	12-SEP-09
22	120	56	25-AUG-08
27	100	47	15-AUG-89
7	110	20	01-AUG-01
12	140	38	20-FEB-08

5 rows returned in 0.00 seconds

[CSV Export](#)

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☒ Autocommit Display 10

```
select * from Admission;
```

Results Explain Describe Saved SQL History

ADMISSION_SERIAL	CLUB_ID	P_ID	ADMISSION_DATE
17	130	29	12-SEP-09
22	120	56	25-AUG-08
27	100	47	15-AUG-89
7	110	20	01-AUG-01
12	140	38	20-FEB-08

5 rows returned in 0.00 seconds

[CSV Export](#)



Query of (Table, Sequence, Index, Data Insertion):

```
create user SportingClubManagement identified by manager;  
grant connect, resource, unlimited tablespace to SportingClubManagement;  
ALTER USER SportingClubManagement DEFAULT TABLESPACE USERS;  
ALTER USER SportingClubManagement TEMPORARY TABLESPACE TEMP;
```

Creating Sequences:

Sequence for manager table:

```
CREATE SEQUENCE Manager_seq  
INCREMENT BY 1  
START WITH 1  
MAXVALUE 10  
NOCACHE  
NOCYCLE;
```

Sequence for Club table:

```
CREATE SEQUENCE club_seq  
INCREMENT BY 10  
START WITH 100  
MAXVALUE 500  
NOCACHE  
NOCYCLE;
```

Sequence for Player table:

```
CREATE SEQUENCE palyer_seq  
INCREMENT BY 9  
START WITH 20  
MAXVALUE 100  
NOCACHE  
NOCYCLE;
```

Sequence for Coach table:

```
CREATE SEQUENCE coach_seq  
INCREMENT BY 10  
START WITH 1000  
MAXVALUE 2000
```



```
NOCACHE  
NOCYCLE;
```

Sequence for Sports table:

```
CREATE SEQUENCE sports_seq  
INCREMENT BY 2  
START WITH 10  
MAXVALUE 100  
NOCACHE  
NOCYCLE;
```

Sequence for SPORTS_CLUB table:

```
CREATE SEQUENCE sportsClub_seq  
INCREMENT BY 7  
START WITH 50  
MAXVALUE 200  
NOCACHE  
NOCYCLE;
```

Sequence for Admission table:

```
CREATE SEQUENCE Admission_seq  
INCREMENT BY 5  
START WITH 7  
MAXVALUE 100  
NOCACHE  
NOCYCLE;
```

2. CREATE TABLE CLUB

```
(CLUB_ID NUMBER(10) CONSTRAINT PK_club PRIMARY KEY,  
  CLUB_NAME VARCHAR2(25) ,  
  LOCATION VARCHAR2(50),  
  ESTABLISH_YEAR NUMBER(10),  
  PHONE NUMBER(20),  
  EMAIL VARCHAR2(50));
```



Creating Index of Club Table:

```
CREATE INDEX Club_index
ON CLUB(CLUB_ID,CLUB_NAME,EMAIL);
```

Inserting data to CLUB table:

```
INSERT INTO CLUB(CLUB_ID,CLUB_NAME,LOCATION, ESTABLISH_YEAR, PHONE,EMAIL)
VALUES(club_seq.NEXTVAL,'BMC','DHAKA',1999,01789658742,'bmc@gmail.com');
INSERT INTO CLUB(CLUB_ID,CLUB_NAME,LOCATION, ESTABLISH_YEAR, PHONE,EMAIL)
VALUES(club_seq.NEXTVAL,'ABC','Abdullapur',1968,01896784821,'abc@gmail.com');
INSERT INTO CLUB(CLUB_ID,CLUB_NAME,LOCATION, ESTABLISH_YEAR, PHONE,EMAIL)
VALUES(club_seq.NEXTVAL,'RGB','Rangpur',2005,01389687452,'rgb@gmail.com');
INSERT INTO CLUB(CLUB_ID,CLUB_NAME,LOCATION, ESTABLISH_YEAR, PHONE,EMAIL)
VALUES(club_seq.NEXTVAL,'LBT','Lalmonirhat',2001,01896748521,'lbt@gmail.com');
INSERT INTO CLUB(CLUB_ID,CLUB_NAME,LOCATION, ESTABLISH_YEAR, PHONE,EMAIL)
VALUES(club_seq.NEXTVAL,'SUT','Syhlet',1975,01723487512,'sut@gmail.com');
```

1.CREATE TABLE MANAGER

```
(M_ID NUMBER(10) CONSTRAINT PK_man PRIMARY KEY,
M_NAME VARCHAR2(25) ,
M_ADDRESS VARCHAR2(50),
M_PHONE NUMBER(20),
M_SALARY NUMBER(20),
EMAIL VARCHAR2(50),
CLUB_ID NUMBER(10) CONSTRAINT FK_man REFERENCES CLUB(CLUB_ID));
```

Creating Index of Manager Table:

```
CREATE INDEX Manager_index
ON MANAGER(M_ID,M_NAME,M_SALARY,EMAIL);
```

Inserting data to MANAGER table:

```
INSERT INTO MANAGER(M_ID,M_NAME,M_ADDRESS, M_PHONE, M_SALARY,EMAIL,CLUB_ID)
VALUES(manager_seq.NEXTVAL,'Tanusree','Lalmonirhat',01785963124,5000,'tanu@gmail.com',100);
INSERT INTO MANAGER(M_ID,M_NAME,M_ADDRESS, M_PHONE, M_SALARY,EMAIL,CLUB_ID)
VALUES(manager_seq.NEXTVAL,'Sanowar','Dhaka',01787859124,6000,'sano@gmail.com',120);
INSERT INTO MANAGER(M_ID,M_NAME,M_ADDRESS, M_PHONE, M_SALARY,EMAIL,CLUB_ID)
VALUES(manager_seq.NEXTVAL,'Mariam','Rajshahi',01875964218,5000,'mari@gmail.com',110);
```



```
INSERT INTO MANAGER(M_ID,M_NAME,M_ADDRESS, M_PHONE, M_SALARY,EMAIL,CLUB_ID)
VALUES(manager_seq.NEXTVAL,'Sakib','Dhaka',01776859124,7000,'saki@gmail.com',130);
INSERT INTO MANAGER(M_ID,M_NAME,M_ADDRESS, M_PHONE, M_SALARY,EMAIL,CLUB_ID)
VALUES(manager_seq.NEXTVAL,'Abu','Dhaka',01789635124,10000,'abu@gmail.com',140);
```

3.CREATE TABLE PLAYER

```
(P_ID NUMBER(10) CONSTRAINT PK_player PRIMARY KEY,
  P_NAME VARCHAR2(25) ,
  P_ADDRESS VARCHAR2(50),
  P_PHONE1 NUMBER(20),
  P_PHONE2 NUMBER(20),
  P_SALARY NUMBER(20),
  P_EMAIL VARCHAR2(50),
  CLUB_ID NUMBER(10) CONSTRAINT FK_player REFERENCES CLUB(CLUB_ID));
```

Creating Index of Club Table:

```
CREATE INDEX Player_index
ON PLAYER(P_ID,P_NAME,P_EMAIL);
```

Inserting data to Player table:

```
INSERT INTO PLAYER(P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,CLUB_ID)
VALUES(palyer_seq.NEXTVAL,'Rahim','Dhaka',01785963124,01785963184,1000,'rahim@gmail.com',100);
INSERT INTO PLAYER(P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,CLUB_ID)
VALUES(palyer_seq.NEXTVAL,'Karim','Syhlet',01785963174,01785963188,3000,'karim@gmail.com',110);
INSERT INTO PLAYER(P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,CLUB_ID)
VALUES(palyer_seq.NEXTVAL,'Rahima','Rangpur',01785963185,01785968965,2000,'rahima@gmail.com',130);
INSERT INTO PLAYER(P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,CLUB_ID)
VALUES(palyer_seq.NEXTVAL,'Karima','Dhaka',01785963124,01785963184,4000,'karima@gmail.com',140);
INSERT INTO PLAYER(P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,CLUB_ID)
VALUES(palyer_seq.NEXTVAL,'Esha','Dhaka',01785967524,01785963794,5000,'esha@gmail.com',120);
```

5.CREATE TABLE COACH

```
(C_ID NUMBER(10) CONSTRAINT PK_coach PRIMARY KEY,
  C_NAME VARCHAR2(25),
  C_ADDRESS VARCHAR2(50),
  C_PHONE NUMBER(20),
  C_SALARY NUMBER(20),
```




```
C_EMAIL VARCHAR2(50),
DATE_OF_JOIN DATE,
CLUB_ID NUMBER(10) CONSTRAINT FK_coach REFERENCES CLUB(CLUB_ID));
```

Creating Index of Coach Table:

```
CREATE INDEX Coach_index
ON COACH(C_ID,C_NAME,DATE_OF_JOIN, C_EMAIL,CLUB_ID);
```

Insertin data to Coach table

```
INSERT INTO COACH(C_ID,C_NAME,C_ADDRESS, C_PHONE, C_SALARY,C_EMAIL, DATE_OF_JOIN, CLUB_ID)
VALUES(coach_seq.NEXTVAL,'Adam','Syhlet',01785963174,30000,'karim@gmail.com',to_date('20-2-
1981','dd-mm-yyyy'),110);
INSERT INTO COACH(C_ID,C_NAME,C_ADDRESS, C_PHONE, C_SALARY,C_EMAIL, DATE_OF_JOIN, CLUB_ID)
VALUES(coach_seq.NEXTVAL,'Scot','Rangpur',01785968794,40000,'scot@gmail.com',to_date('07-11-
2000','dd-mm-yyyy'),120);
INSERT INTO COACH(C_ID,C_NAME,C_ADDRESS, C_PHONE, C_SALARY,C_EMAIL, DATE_OF_JOIN, CLUB_ID)
VALUES(coach_seq.NEXTVAL,'Tiger','Khulna',01875963174,35000,'tiger@gmail.com',to_date('27-10-
2005','dd-mm-yyyy'),130);
INSERT INTO COACH(C_ID,C_NAME,C_ADDRESS, C_PHONE, C_SALARY,C_EMAIL, DATE_OF_JOIN, CLUB_ID)
VALUES(coach_seq.NEXTVAL,'Finn','Barisal',01985963174,50000,'finn@gmail.com',to_date('25-8-2020','dd-
mm-yyyy'),100);
INSERT INTO COACH(C_ID,C_NAME,C_ADDRESS, C_PHONE, C_SALARY,C_EMAIL, DATE_OF_JOIN, CLUB_ID)
VALUES(coach_seq.NEXTVAL,'Denver','Noakhali',01985963174,6000,'denver@gmail.com',to_date('15-9-
2008','dd-mm-yyyy'),140);
```

4.CREATE TABLE PLAYER_COACH

```
(P_ID NUMBER(10) CONSTRAINT PK_coaPla PRIMARY KEY,
P_NAME VARCHAR2(25) ,
P_ADDRESS VARCHAR2(50),
P_PHONE1 NUMBER(20),
P_PHONE2 NUMBER(20),
P_SALARY NUMBER(20),
P_EMAIL VARCHAR2(50),
C_ID NUMBER(10) CONSTRAINT FK_coapla REFERENCES COACH(C_ID));
```

Creating Index of Player_Coach Table:

```
CREATE INDEX CoachPlayer_index
ON PLAYER_COACH(P_ID,P_NAME,P_EMAIL,C_ID);
```

Inserting data to Player_Coach table:



```

INSERT INTO Player_Coach (P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,C_ID)
VALUES(20,'Rahim','Dhaka',01785963124,01785963184,1000,'rahim@gmail.com',1000);
INSERT INTO Player_Coach (P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,C_ID)
VALUES(29,'Karim','Syhlet',01785963174,01785963188,3000,'karim@gmail.com',1010);
INSERT INTO Player_Coach (P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,C_ID)
VALUES( 38,'Rahima','Rangpur',01785963185,01785968965,2000,'rahima@gmail.com',1030);
INSERT INTO Player_Coach (P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,C_ID)
VALUES(47,'Karima','Dhaka',01785963124,01785963184,4000,'karima@gmail.com',1020);
INSERT INTO Player_Coach (P_ID,P_NAME,p_ADDRESS, P_PHONE1, P_PHONE2, P_SALARY,P_EMAIL,C_ID)
VALUES(56,'Esha','Dhaka',01785967524,01785963794,5000,'esha@gmail.com',1040);

```

6.CREATE TABLE SPORTS

```

(S_ID NUMBER(10) CONSTRAINT PK_sports PRIMARY KEY,
SPORTS_NAME VARCHAR2(25),
INDOOR VARCHAR2(50),
OUTDOOR VARCHAR2(20));

```

Creating Index of Sports Table:

```

CREATE INDEX Sports_index
ON SPORTS(S_ID,SPORTS_NAME);

```

Inserting data to Player_Coach table:

```

INSERT INTO SPORTS (S_ID,SPORTS_NAME,INDOOR,OUTDOOR) VALUES(club_seq.NEXTVAL,'Cricket',
'No','Yes');
INSERT INTO SPORTS (S_ID,SPORTS_NAME,INDOOR,OUTDOOR) VALUES(club_seq.NEXTVAL,'Football',
'No','Yes');
INSERT INTO SPORTS (S_ID,SPORTS_NAME,INDOOR,OUTDOOR) VALUES(club_seq.NEXTVAL,'Table Tennis',
'YES','No');
INSERT INTO SPORTS (S_ID,SPORTS_NAME,INDOOR,OUTDOOR) VALUES(club_seq.NEXTVAL,'Batminton',
'No','Yes');
INSERT INTO SPORTS (S_ID,SPORTS_NAME,INDOOR,OUTDOOR) VALUES(club_seq.NEXTVAL,'Tennis',
'No','Yes');

```

7. CREATE TABLE SPORTS_CLUB

```

(Serial NUMBER(10) CONSTRAINT PK_SpCI2 PRIMARY KEY,
S_ID NUMBER(10) CONSTRAINT FK_clubid3 REFERENCES SPORTS(S_ID),
CLUB_ID NUMBER(10) CONSTRAINT FK_clubid2 REFERENCES CLUB(CLUB_ID));

```



Inserting data to SPORTS_CLUB table:

```
INSERT INTO SPORTS_CLUB (Serial,S_ID,CLUB_ID) VALUES(sportsClub_seq.NEXTVAL,150,110);
INSERT INTO SPORTS_CLUB (Serial,S_ID,CLUB_ID) VALUES(sportsClub_seq.NEXTVAL,160,120);
INSERT INTO SPORTS_CLUB (Serial,S_ID,CLUB_ID) VALUES(sportsClub_seq.NEXTVAL,170,100);
INSERT INTO SPORTS_CLUB (Serial,S_ID,CLUB_ID) VALUES(sportsClub_seq.NEXTVAL,190,140);
INSERT INTO SPORTS_CLUB (Serial,S_ID,CLUB_ID) VALUES(sportsClub_seq.NEXTVAL,180,130);
```

8. CREATE TABLE ADMISSION

```
(Admission_Serial NUMBER(10) CONSTRAINT PK_Admid PRIMARY KEY,
 CLUB_ID NUMBER(10) CONSTRAINT FK_clubid REFERENCES CLUB(CLUB_ID),
 P_ID NUMBER(10) CONSTRAINT FK_PlayerId REFERENCES Player(P_ID),
 Admission_Date DATE);
```

Creating Index of ADMISSION Table:

```
CREATE INDEX Admission_index
ON ADMISSION(CLUB_ID,P_ID,Admission_Serial);
```

Inserting data to ADMISSION table:

```
INSERT INTO ADMISSION (Admission_Serial,CLUB_ID,P_ID,Admission_Date)
VALUES(Admission_seq.NEXTVAL,110,20,to_date('01-8-2001','dd-mm-yyyy'));
INSERT INTO ADMISSION (Admission_Serial,CLUB_ID,P_ID,Admission_Date)
VALUES(Admission_seq.NEXTVAL,140,38,to_date('20-2-2008','dd-mm-yyyy'));
INSERT INTO ADMISSION (Admission_Serial,CLUB_ID,P_ID,Admission_Date)
VALUES(Admission_seq.NEXTVAL,130,29,to_date('12-9-2009','dd-mm-yyyy'));
INSERT INTO ADMISSION (Admission_Serial,CLUB_ID,P_ID,Admission_Date)
VALUES(Admission_seq.NEXTVAL,120,56,to_date('25-8-2008','dd-mm-yyyy'));
INSERT INTO ADMISSION (Admission_Serial,CLUB_ID,P_ID,Admission_Date)
VALUES(Admission_seq.NEXTVAL,100,47,to_date('15-8-1989','dd-mm-yyyy'));
```



Query Writing:

Single row Function:

1. Display the manger id , name, and email for manager Sanowar

```
SELECT M_NAME, M_SALARY, EMAIL FROM MANAGER WHERE lower(M_NAME) = 'sanowar'
```

Results Explain Describe Saved SQL History

M_NAME	M_SALARY	EMAIL
Sanowar	6000	sano@gmail.com

1 rows returned in 0.00 seconds [CSV Export](#)

2. Find admitted players total weeks who's id = 47

```
SELECT ADMISSION_SERIAL ,P_ID, (SYSDATE-ADMISSION_DATE)/7 WEEKS FROM ADMISSION WHERE P_ID = 47
```

Results Explain Describe Saved SQL History

ADMISSION_SERIAL	P_ID	WEEKS
27	47	1663.57693948412698412698412698413
32	47	1663.57693948412698412698412698413

2 rows returned in 0.00 seconds [CSV Export](#)

3. Tanusree, Sanowar and Mariam their salary increase according to (2, 1.5, 1.70)

```
SELECT M_NAME, M_SALARY, DECODE(M_NAME, 'Tanusree', M_SALARY*2, 'Sanowar', M_SALARY*1.5, 'Mariam', M_SALARY*1.70, M_SALARY) REVISED_SALARY FROM MANAGER;
```

Results Explain Describe Saved SQL History

M_NAME	M_SALARY	REVISED_SALARY
Tanusree	5000	10000
Sanowar	6000	9000
Mariam	5000	8500
Sakib	7000	7000
Abu	10000	10000

5 rows returned in 0.00 seconds [CSV Export](#)



Group Function:

1. Calculate min and max salary from manager table.

```
SELECT MIN(M_SALARY), MAX(M_SALARY) FROM MANAGER
```

Results Explain Describe Saved SQL History

MIN(M_SALARY)	MAX(M_SALARY)
5000	10000

1 rows returned in 0.00 seconds

[CSV Export](#)

2. Find average of all players salary.

```
SELECT P_NAME, AVG(P_SALARY) FROM PLAYER GROUP BY P_NAME;
```

Results Explain Describe Saved SQL History

P_NAME	AVG(P_SALARY)
Rahima	2000
Karima	4000
Rahim	1000
Karim	3000
Esha	5000

5 rows returned in 0.00 seconds

[CSV Export](#)

3. Find salary from manager which salary is greater than 5000

```
SELECT M_NAME, MAX(M_SALARY) FROM MANAGER GROUP BY M_NAME HAVING max(M_SALARY)>5000;
```

Results Explain Describe Saved SQL History

M_NAME	MAX(M_SALARY)
Abu	10000
Sakib	7000
Sanowar	6000

3 rows returned in 0.01 seconds

[CSV Export](#)



Subqueries:

1. Display details of who built before 2005

SELECT * FROM CLUB WHERE ESTABLISH_YEAR < (select ESTABLISH_YEAR from CLUB where ESTABLISH_YEAR = '2005')

Results Explain Describe Saved SQL History

CLUB_ID	CLUB_NAME	LOCATION	ESTABLISH_YEAR	PHONE	EMAIL
100	BMC	DHAKA	1999	1789658742	bmc@gmail.com
110	ABC	Abdullapur	1968	1896784821	abc@gmail.com
130	LBT	Lalmonirhat	2001	1896748521	lbt@gmail.com
140	SUT	Syhlet	1975	1723487512	sut@gmail.com

4 rows returned in 0.00 seconds

[CSV Export](#)

2. Find the manager names who get the address wise lowest salary

Select M_NAME, M_SALARY from MANAGER where M_SALARY in (Select min(M_SALARY) from MANAGER Group by M_ADDRESS);

Results Explain Describe Saved SQL History

M_ID	M_NAME	M_ADDRESS	M_PHONE	M_SALARY	EMAIL	CLUB_ID
1	Tanusree	Lalmonirhat	1785963124	5000	tanu@gmail.com	100
2	Sanowar	Dhaka	1787859124	6000	sano@gmail.com	120
3	Mariam	Rajshahi	1875964218	5000	mari@gmail.com	110
4	Sakib	Dhaka	1776859124	7000	saki@gmail.com	130
5	Abu	Dhaka	1789635124	10000	abu@gmail.com	140

5 rows returned in 0.00 seconds

[CSV Export](#)

3. find the extact players who plays same sports like cricket

select s_id, sports_name from sports where (indoor,sports_name) IN (select indoor,sports_name from sports where s_id = 150) AND s_id <> 150;

Results Explain Describe Saved SQL History

S_ID	SPORTS_NAME
190	Cricket

1 rows returned in 0.00 seconds

[CSV Export](#)



Joining

1. Display the name of all the Players who Play in Lalmonirhat.

Ans:

```
select p.P_name
from player p,club c
where p.club_id=c.club_id and c.location='Lalmonirhat'
```

ORACLE® Database Express Edition

User: SPORTINGCLUBMANAGEMENT

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
select p.P_name
from player p,club c
where p.club_id=c.club_id and c.location='Lalmonirhat';
```

Results Explain Describe Saved SQL History

P_NAME
Rahima

1 rows returned in 0.00 seconds [CSV Export](#)

2. Display the name of all the Players and Club with their Admission Date

Ans:

```
select p.P_name, c.C_Name , a.admission_date
from player p,coach c, admission a
where p.c_id=c.c_id and p.p_id=a.p_id;
```

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
select p.P_name, c.C_Name , a.admission_date
from player Coach p,coach c, admission a
where p.c_id=c.c_id and p.p_id=a.p_id;
```

Results Explain Describe Saved SQL History

P_NAME	C_NAME	ADMISSION_DATE
Karim	Scot	12-SEP-09
Esha	Denver	25-AUG-08
Karima	Tiger	15-AUG-89
Rahim	Karim	01-AUG-01
Rahima	Finn	20-FEB-08

5 rows returned in 0.02 seconds [CSV Export](#)



3. Write a query to display the Coach name, Club Name, and Sports name for all Players.

Ans:

```
select p.p_Name,cl.club_Name, c.c_Name , sp.sports_name
from Sports_club s, club cl, sports sp,Player p,player_Coach pc, coach c
where cl.Club_id=s.Club_id and sp.s_id= s.s_id and cl.club_id=p.Club_id and pc.c_id=c.c_id and p.p_id=
pc.P_id;
```

User: SPORTINGCLUBMANAGEMENT

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
select p.p_Name,cl.club_Name, c.c_Name , sp.sports_name
from Sports club s, club cl, sports sp,Player p,player Coach pc, coach c
where cl.Club id=s.Club id and sp.s id= s.s id and cl.club id=p.Club id and pc.c id=c.c id and p.p id= pc.P id;
```

Results Explain Describe Saved SQL History

P_NAME	CLUB_NAME	C_NAME	SPORTS_NAME
Karim	ABC	Soot	Cricket
Esha	RGB	Denver	Football
Rahim	BMC	Karim	Table Tennis
Karima	SUT	Tiger	Tennis
Rahima	LBT	Finn	Batminton

5 rows returned in 0.02 seconds [CSV Export](#)

VIEW :

1. Create a view of manager table

```
CREATE VIEW MANAGER1 AS SELECT M_NAME, M_ID, M_ADDRESS FROM MANAGER WHERE M_ADDRESS = 'Dhaka';
```

DESCRIBE MANAGER1

Object Type **VIEW** Object **MANAGER1**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MANAGER1	M_NAME	Varchar2	25	-	-	-	✓	-	-
	M_ID	Number	-	10	0	-	-	-	-
	M_ADDRESS	Varchar2	50	-	-	-	✓	-	-
1 - 3									

2. Create a view of player table

```
CREATE VIEW PLAYER_COACH_VIEW AS SELECT P_ID, P_NAME, P_ADDRESS FROM PLAYER_COACH WHERE P_SALARY = 1000;
```

SELECT * from PLAYER_COACH_VIEW



Results Explain Describe Saved SQL History

P_ID	P_NAME	P_ADDRESS
20	Rahim	Dhaka

1 rows returned in 0.00 seconds

[CSV Export](#)

3. Modify the manger1 view changes their title name

```
CREATE OR REPLACE VIEW MANAGER1 (NAME, ID, ADDRESS) AS SELECT M_NAME, M_ID, M_ADDRESS FROM
MANAGER WHERE M_ADDRESS = 'Dhaka';
select * from MANAGER1
```

Results Explain Describe Saved SQL History

NAME	ID	ADDRESS
Sanowar	2	Dhaka
Sakib	4	Dhaka
Abu	5	Dhaka

3 rows returned in 0.00 seconds

[CSV Export](#)

Synonym

1. Create a synonym for player_coach_view

```
CREATE SYNONYM P_VIEW FOR PLAYER_COACH_VIEW;
SELECT * FROM P_VIEW
```

Results Explain Describe Saved SQL History

P_ID	P_NAME	P_ADDRESS
20	Rahim	Dhaka

1 rows returned in 0.00 seconds

[CSV Export](#)

2. Create a synonym for MANAGER1 TABLE TO MANAGER2

```
CREATE SYNONYM MANAGER2 FOR MANAGER1;
DESCRIBE MANAGER1
```



Results Explain Describe Saved SQL History

Object Type VIEW Object MANAGER1

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MANAGER1	NAME	Varchar2	25	-	-	-	✓	-	-
	ID	Number	-	10	0	-	-	-	-
	ADDRESS	Varchar2	50	-	-	-	✓	-	-

1 - 3

3. Drop synonym MANAGER2

DROP SYNONYM MANAGER2;

Results Explain Describe Saved SQL History

Synonym dropped.

0.94 seconds

Conclusion:

While doing the project we learnt about how we can manage a sporting club using database and how we can make tasks easier for the users with the help of database. For the future we would like to add more features to the system. For Final term we would develop the application and database for the designed system.

