



AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH (AIUB)

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Project Name: Cricket Club Management System

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Course: Introduction to Database

Section:O

Group Name: The Data Squad

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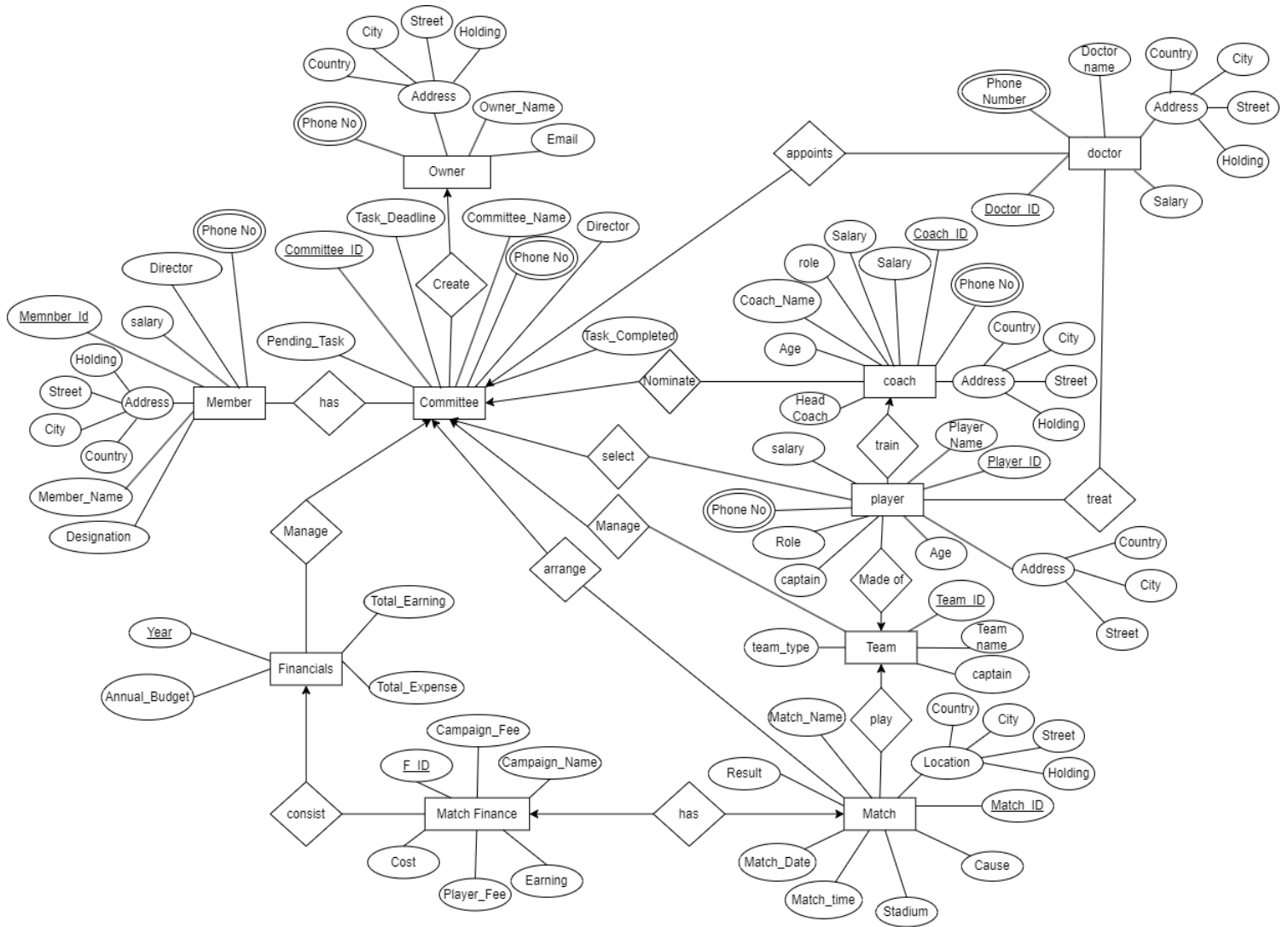
Introduction:

This ER diagram represents database management system of a cricket club. In this diagram, the owner of a cricket club has all rights, owner appoints a direction board and the cricket club is getting managed by Board of directors, where team players are selected by selectors, the task of team management is to maintain the internal structure of the team, tickets are being sold by organizers, tournaments or matches are being planned by organizers. The function of the finance committee is to carry out the financial plans properly. The club is running in different phases.

Scenario :

There is a cricket club called “x”, it has an owner. The database will store owner name, age, phone number. The owner creates board of director to Appoints different committees (such as finance committee, tournament committee, selector, team management, medical team). Finance committee members have unique ID, Name, Designation, Phone Number, Address. Finance committee sanction, Match fees, Salary, Bonus. Selectors have ID, Name Phone Number, Address. Selector selects Player. Team management has ID, Name, different Roles, Phone Number, Address. Team management committee contains coaches, manage teams. The team has team number, team type (under 19, Under 15, Man, Woman). Team consists of players. Coaches train players. The database stores coach’s name, type, salary, ID, phone number, address. The database also stores the player’s Name, ID, Salary, Type, Phone number, Address. The player will get match fee by playing match. The tournament committee members have ID, phone number, designation. Tournament committee organizes matches. Matches are played in different venues, dates, time and have different types. Player play matches. Players get Match fee for playing matches. Medical team has doctors, physicians, nurses etc. Medical team treats players.

ER Diagram:



Normalization

1. Create:

UNF:

1. Create (Owner_Name, Email, Phone_No City, Country, Street, Holding, Committee_ID, Committee_Name, Director, Pending_task, Task_Deadline, Task_Completed, Phone_No)

1NF:

Phone_No is a multivalued attribute

1. Owner_Name, Email, City, Country, Street, Holding, Phone_No, Committee_ID, Committee_Name, Director, Pending_task, Task_Deadline, Task_Completed, Phone_No

2NF:

1. Owner_Name, email, City, Country, Street, Holding, Phone_No
2. Committee_ID, Committee_Name, Director, Pending_task, Task_Deadline, Task_Completed, Phone_No

3NF:

1. Owner_Name, Email, Phone_No
2. Holding, Street, City, country
3. Committee_ID, Committee_Name, Director, Phone_No
4. Pending_task, Task_Deadline, Task_Completed

2. HAS:

UNF:

1. Has(Committee_ID, Committee_Name, Director, Phone_No, Pending_Task, Task_Deadline, Task_Completed, Member_ID, Member_name, Phone_No, Designation, Salary, Director, Holding, Street, City, country)

1NF

Phone_No Is multivalued attribute.

1. Committee_ID, Committee_Name, Director, Phone_No, Pending_Task, Task_Deadline, Task_Completed, Member_ID, Member_name, Phone_No, Designation, Salary, Director, Holding, Street, City, country

2NF:

1. Committee_ID, Committee_Name, Director, Phone_No, Pending_Task, Task_Deadline, Task_Completed
2. Member_ID, Member_name, Phone_No, Designation, Salary, Director, Holding, Street, City, country

3NF:

1. Committee_ID, Committee_Name, Director, Phone_No
2. Pending_Task, Task_Deadline, Task_Completed
3. Member_ID, Member_name, Phone_No, Director
4. Holding, Street, City, Country
5. Designation, Salary

3. Appoints:

UNF:

1. Appoints (Committee_ID, Committee_Name, Director, Pending_Task, Phone_No, Task_Deadline, Task_Completed, Doctor_ID, Doctor_Name, Salary, Phone_No, Holding, Street, City, country)

1NF:

Phone_No is a multivalued attribute.

1. Committee_ID, Committee_Name, Director, Pending_Task, Phone_No, Task_Deadline, Task_Completed, Doctor_ID, Doctor_Name, Salary, Phone_No, Holding, Street, City, country

2NF:

1. Committee_ID, Committee_Name, Director, Pending_Task, Phone_No, Task_Deadline, Task_Completed
2. Doctor_ID, Doctor_Name, Salary, Phone_No, Holding, Street, City, country

3NF:

1. Committee_Id, Committee_Name, Director, Phone_No
2. Pending_Task, Task_Deadline, Task_Completed
3. Doctor_ID, Doctor_Name, Salary, Phone_No
4. Holding, Street, City, country

4. Nominate:

UNF:

1. Nominate (Committee_ID, Committee_Name, Director, Pending_Task, Phone_No, Task_Deadline, Task_Completed, Coach_Id, Coach_Name, Age, Role, Head_Coach, Salary, Phone_No, Holding, Street, City, country)

1NF:

Phone_No is a multivalued attribute.

1. Committee_ID, Committee_Name, Director, Pending_Task, Phone_No, Task_Deadline, Task_Completed, Coach_Id, Coach_Name, Age, Role, Head_Coach, Salary, Phone_No, Holding, Street, City, country

2NF:

1. Committee_ID, Committee_Name, Director, Pending_Task, Phone_No, Task_Deadline, Task_Completed
2. Coach_Id, Coach_Name, Age, Role, Head_Coach, Salary, Phone_No, Holding, Street, City, country

3NF:

1. Committee_ID, Committee_Name, Director, Phone_No
2. Pending_Task, Task_Deadline, Task_Completed
3. Coach_Id, Coach_Name, Age, Role, Head_Coach, Salary, Phone_No
4. Holding, Street, City, country

5. Select:

UNF:

1. Select (Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No, Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary)

1NF

Phone_No is a multivalued attribute

1. Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No, Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary

2NF:

1. Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No
2. Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary

3NF:

1. Committee_ID, Committee_Name, Director, Phone_No
2. Pending_Task, Task_Deadline, Task_Completed
3. Player_ID, Player_Name, Age, Phone_No, Salary, Captain, Role
4. Holding, Street, City, country

6. Manage (Committee Team):

UNF:

1. Select (Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No, Team_ID, Team_Name, Team_Type, Captain)

1NF:

Phone_No is a multivalued attribute

1. Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No, Team_ID, Team_Name, Team_Type, Captain

2NF:

1. Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No
2. Team_ID, Team_Name, Team_Type, Captain

3NF:

1. Committee_ID, Committee_Name, Director, Phone_No
2. Pending_Task, Task_Deadline, Task_Completed
3. Team_ID, Team_Name, Team_Type, Captain

7. Arrange:

UNF:

1. Arrange (Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No, Match_ID, Match_Name, Result, Cause, Stadium, Match_Date, Match_Time, City, Country, Street)

1NF:

Phone_No is a multivalued attribute

1. Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No, Match_ID, Match_Name, Result, Cause, Stadium, Match_Date, Match_Time, City, Country, Street

2NF:

1. Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No
2. Match_ID, Match_Name, Result, Cause, Stadium, Match_Date, Match_Time, City, Country, Street

3NF:

1. Committee_ID, Committee_Name, Director, Phone_No
2. Pending_Task, Task_Deadline, Task_Completed
3. Match_ID, Match_Name, Match_Date, Match_Time, Result, Cause, Match_exes

8. Manage (Committee Financial)

UNF:

1. Manage (Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No, Year, Annual_Budget, Total_Earnings, Total_expense)

1NF:

Phone_No is a multivalued attribute

1. Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No, Year, Annual_Budget, Total_Earnings, Total_Expense

2NF:

1. Committee_ID, Committee_Name, Pending_Task, Task_Deadline, Task_Completed, Director, Phone_No
2. Year, Annual_Budget, Total_Earnings, Total_Expense

3NF:

1. Committee_ID, Committee_Name, Director, Phone_No
2. Pending_Task, Task_Deadline, Task_Completed
3. Year, Annual_Budget, Total_Earnings, Total_Expense

9. Has (Match Finance, Match)

UNF:

1. Has (F_ID, Campaign_Name, Campaign_Fee, Cost, Player_Fee, Earnings, Match_ID, Match_Name, Result, Cause, Stadium, Match_Date, Match_Time, City, Country, Street, Holding)

1NF:

There is no multivalued attribute

1. F_ID, Campaign_Name, Campaign_Fee, Cost, Player_Fee, Earnings, Match_ID, Match_Name, Result, Cause, Stadium, Match_Date, Match_Time, City, Country, Street, Holding

2NF:

1. F_ID, Campaign_Name, Campaign_Fee, Cost, Player_Fee, Earnings
2. Match_ID, Match_Name, Result, Cause, Stadium, Match_Date, Match_Time, City, Country, Street, Holding

3NF:

1. F_ID, Earnings, Palyer_Fee, Cost
2. Campaign_Name, Campaign_Fee
3. Match_ID, Match_Name, Result, Cause, Match_Date, Match_Time

Stadium, Street, City, Country

10. Train:

UNF:

1. Train (Coach_Id, Coach_Name, Age, Role, Head_Coach, Salary, Phone_No, Holding, Street, City, country, Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary)

1NF:

Phone_No is a multivalued attribute

1. Coach_Id, Coach_Name, Age, Role, Head_Coach, Salary, Phone_No, Holding, Street, City, country, Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary

2NF:

1. Coach_Id, Coach_Name, Age, Role, Head_Coach, Salary, Phone_No, Holding, Street, City, country
2. Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary

3NF:

1. Coach_Id, Coach_Name, Age, Role, Head_Coach, Salary, Phone_No
2. Holding, Street, City, country
3. Player_ID, Player_Name, Age, Captain, Role, Phone_No, Salary
4. Holding, Street, City, country

11. Made of:

UNF:

1. Made of (Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary, Team_ID, Team_Name, Team_Type, Captain)

1NF:

Phone_No is a multivalued attribute

1. Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary, Team_ID, Team_Name, Team_Type, Captain

2NF:

1. Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary
2. Team_ID, Team_Name, Team_Type, Captain

3NF:

1. Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary
2. Team_ID, Team_Name, Team_Type, Captain

12. Play:

UNF:

1. Play (Team_ID, Team_Name, Team_Type, Captain, Match_ID, Match_Name, Result, Cause, Stadium, Match_Date, Match_Time, City, Country, Street, Holding)

1NF:

There is no multivalued attribute in the relationship. Relation is already in 1NF.

1. Team_ID, Team_Name, Team_Type, Captain, Match_ID, Match_Name, Result, Cause, Stadium, Match_Date, Match_Time, City, Country, Street, Holding

2NF:

1. Team_ID, Team_Name, Team_Type, Captain
2. Match_ID, Match_Name, Result, Cause, Stadium, Match_Date, Match_Time, City, Country, Street, Holding

3NF:

1. Team_ID, Team_Name, Team_Type, Captain
2. Match_ID, Match_Name, Result, Cause, Match_Date, Match_Time
3. Stadium, Street, City, Country

13. Treat:

UNF:

Treat (Doctor_ID, Doctor_Name, Salary, Phone_No, Holding, Street, City, country, Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary)

1NF:

Phone_No is a multivalued attribute.

1. Doctor_ID, Doctor_Name, Salary, Phone_No, Holding, Street, City, country, Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary

2NF:

1. Doctor_ID, Doctor_Name, Salary, Phone_No, Holding, Street, City, country
2. Player_ID, Player_Name, Age, Holding, Street, City, country, Captain, Role, Phone_No, Salary

3NF:

1. Doctor_ID, Doctor_Name, Salary, Phone_No
2. Holding, Street, City, Country
3. Player_ID, Player_Name, Age, Captain, Role, Phone_No, Salary
4. Holding, Street, City, country

Final Tables:

1. Owner_Name, Email, Phone_No, **a_ID**
2. a_ID, Holding, Street, City, country
3. Committee_ID, Committee_Name, Director, Phone_No, **Task_ID**
4. Task_ID, Pending_task, Task_deadline
5. Member_ID, Member_name, Phone_No, Director, **Salary_ID, a_ID**
6. Salary_ID, Designation, Salary
7. **Committee_ID, Member_ID**
8. Doctor_ID, Doctor_Name, Salary, Phone_No, **a_ID, Committee_ID**
9. Coach_Id, Coach_Name, Age, Role, Head_Coach, Salary, Phone_No, **Committee_ID, a_ID**
10. Player_ID, Player_Name, Age, Phone_No, Salary, Captain, Role, **Committee_ID, a_ID , Coach_ID , Team_ID**
11. Team_ID, Team_Name, Team_Type, Captain, **Committee_ID Match_ID**
12. Match_ID, Match_Name, Match_Date, Match_Time, Result, Cause, **Stadium_ID, Committee_ID, F_ID , Match_ID**
13. Stadium_ID, Stadium, City, Country, Street, Holding
14. Year, Annual_Budget, Total_Earnings, Total_Expense, **Committee_ID**
15. F_ID, Earnings, cost, Player_Fee, **C_ID, Year**
16. C_ID, Campaign_Name, Campaign_Fee
17. **Doctor_ID, Player_ID**

User Access Control

ORACLE® Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
GRANT CREATE SESSION, CREATE TABLE, CREATE SEQUENCE, CREATE VIEW, CREATE PROCEDURE TO PROJECT;
```

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

Statement processed.

0.00 seconds

ORACLE® Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
GRANT UNLIMITED TABLESPACE TO Project;
```

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

Statement processed.

ORACLE® Database Express Edition

[Home](#) [Logout](#) [Help](#)

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

[Save](#) [Run](#)

```
CREATE USER PROJECT IDENTIFIED BY password;
```

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

User created.

0.06 seconds

Sequence


Home > SQL > SQL Commands

☒ Autocommit Display 20 

```
create sequence sal_id_seq
increment by 1
start with 100
maxvalue 150
.....
nocache
.....
nocycle;
```

Results Explain Describe Saved SQL History

Home > SQL > SQL Commands

☒ Autocommit Display 20 

```
create sequence a_id_seq
increment by 5
start with 111
maxvalue 200
nocache
nocycle;
```

Results Explain Describe Saved SQL History

Table Creation

Owner

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
CREATE TABLE OWNER
(
  "OWNER_NAME" VARCHAR2(50),
  "EMAIL" VARCHAR2(50),
  "PHONE_NO" VARCHAR2(50),
  "A_ID" NUMBER(*,0),
  FOREIGN KEY ("A_ID")
    REFERENCES "ADDRESS" ("A_ID") ENABLE
);
```

desc OWNER;

Results Explain Describe Saved SQL History

Object Type TABLE Object OWNER

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
OWNER	OWNER_NAME	Varchar2	50	-	-	-	✓	-	-
	EMAIL	Varchar2	50	-	-	-	✓	-	-
	PHONE_NO	Varchar2	50	-	-	-	✓	-	-
	A_ID	Number	-	-	0	-	✓	-	-
1 - 4									

Committee

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
CREATE TABLE "COMMITTEE"
(
  "COMMITTEE_ID" VARCHAR2(50) NOT NULL ENABLE,
  "COMMITTEE_NAME" VARCHAR2(50),
  "DIRECTOR" NUMBER(*,0),
  "PHONE_NO" VARCHAR2(50),
  "TASK_ID" NUMBER(*,0),
  PRIMARY KEY ("COMMITTEE_ID") ENABLE,
  FOREIGN KEY ("TASK_ID")
    REFERENCES "TASK" ("TASK_ID") ENABLE
);
```

DESC COMMITTEE;

Results Explain Describe Saved SQL History

Object Type TABLE Object COMMITTEE

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
COMMITTEE	COMMITTEE_ID	Varchar2	50	-	-	1	-	-	-
	COMMITTEE_NAME	Varchar2	50	-	-	-	✓	-	-
	DIRECTOR	Number	-	-	0	-	✓	-	-
	PHONE_NO	Varchar2	50	-	-	-	✓	-	-
	TASK_ID	Number	-	-	0	-	✓	-	-
1 - 5									

Member

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "MEMBER"
(
  "MEMBER_ID" NUMBER(5,0) NOT NULL ENABLE,
  "MEMBER_NAME" VARCHAR2(50),
  "PHONE_NO" VARCHAR2(50),
  "DIRECTOR" VARCHAR2(50),
  "SALARY_ID" VARCHAR2(50),
  "A_ID" NUMBER(*,0),
  PRIMARY KEY ("MEMBER_ID") ENABLE,
  FOREIGN KEY ("SALARY_ID")
  REFERENCES "SALARY" ("SALARY_ID") ENABLE,
  FOREIGN KEY ("A_ID")
  REFERENCES "ADDRESS" ("A_ID") ENABLE
);
DESC MEMBER;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object MEMBER

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>MEMBER</u>	<u>MEMBER_ID</u>	Number	-	5	0	1	-	-	-
	<u>MEMBER_NAME</u>	Varchar2	50	-	-	-	✓	-	-
	<u>PHONE_NO</u>	Varchar2	50	-	-	-	✓	-	-
	<u>DIRECTOR</u>	Varchar2	50	-	-	-	✓	-	-
	<u>SALARY_ID</u>	Varchar2	50	-	-	-	✓	-	-
	<u>A_ID</u>	Number	-	-	0	-	✓	-	-
1 - 6									

Coach

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "COACH"
(
  "COACH_ID" VARCHAR2(50) NOT NULL ENABLE,
  "COACH_NAME" VARCHAR2(50),
  "AGE" VARCHAR2(50),
  "ROLE" VARCHAR2(50),
  "HEAD_COACH" VARCHAR2(50),
  "PHONE_NO" VARCHAR2(50),
  "COMMITTEE_ID" VARCHAR2(50),
  "A_ID" NUMBER(*,0),
  PRIMARY KEY ("COACH_ID") ENABLE,
  FOREIGN KEY ("COMMITTEE_ID")
    REFERENCES "COMMITTEE" ("COMMITTEE_ID") ENABLE,
  FOREIGN KEY ("A_ID")
    REFERENCES "ADDRESS" ("A_ID") ENABLE
);
DESC COACH;
```

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

Object Type TABLE Object COACH

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>COACH</u>	<u>COACH_ID</u>	Varchar2	50	-	-	1	-	-	-
	<u>COACH_NAME</u>	Varchar2	50	-	-	-	✓	-	-
	<u>AGE</u>	Varchar2	50	-	-	-	✓	-	-
	<u>ROLE</u>	Varchar2	50	-	-	-	✓	-	-
	<u>HEAD_COACH</u>	Varchar2	50	-	-	-	✓	-	-
	<u>PHONE_NO</u>	Varchar2	50	-	-	-	✓	-	-
	<u>COMMITTEE_ID</u>	Varchar2	50	-	-	-	✓	-	-
	<u>A_ID</u>	Number	-	-	0	-	✓	-	-
1 - 8									

Doctor

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "DOCTORS"
(
  "DOCTOR_ID" VARCHAR2(50) NOT NULL ENABLE,
  "DOCTOR_NAME" VARCHAR2(50),
  "PHONE_NO" VARCHAR2(50),
  "A_ID" NUMBER(*,0),
  "COMMITTEE_ID" VARCHAR2(50),
  "SALARY_ID" VARCHAR2(50),
  PRIMARY KEY ("DOCTOR_ID") ENABLE,
  FOREIGN KEY ("SALARY_ID")
  REFERENCES "SALARY" ("SALARY_ID") ENABLE,
  FOREIGN KEY ("A_ID")
  REFERENCES "ADDRESS" ("A_ID") ENABLE,
  FOREIGN KEY ("COMMITTEE_ID")
  REFERENCES "COMMITTEE" ("COMMITTEE_ID") ENABLE
);
DESC DOCTORS;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object DOCTORS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DOCTORS	DOCTOR ID	Varchar2	50	-	-	1	-	-	-
	DOCTOR NAME	Varchar2	50	-	-	-	✓	-	-
	PHONE NO	Varchar2	50	-	-	-	✓	-	-
	A ID	Number	-	-	0	-	✓	-	-
	COMMITTEE ID	Varchar2	50	-	-	-	✓	-	-
	SALARY ID	Varchar2	50	-	-	-	✓	-	-
1 - 6									

Player

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
CREATE TABLE "PLAYER"
(
  "PLAYER_ID" VARCHAR2(50) NOT NULL ENABLE,
  "PLAYER_NAME" VARCHAR2(50),
  "AGE" VARCHAR2(50),
  "ROLE" VARCHAR2(50),
  "PHONE_NO" VARCHAR2(50),
  "SALARY_ID" VARCHAR2(50),
  "CAPTAIN" VARCHAR2(50),
  "COMMITTEE_ID" VARCHAR2(50),
  "A_ID" NUMBER(*,0),
  "COACH_ID" VARCHAR2(50),
  "TEAM_ID" VARCHAR2(50),
  PRIMARY KEY ("PLAYER_ID") ENABLE,
  FOREIGN KEY ("COMMITTEE_ID")
    REFERENCES "COMMITTEE" ("COMMITTEE_ID") ENABLE,
  FOREIGN KEY ("A_ID")
    REFERENCES "ADDRESS" ("A_ID") ENABLE,
  FOREIGN KEY ("COACH_ID")
    REFERENCES "COACH" ("COACH_ID") ENABLE,
  FOREIGN KEY ("TEAM_ID")
    REFERENCES "TEAM" ("TEAM_ID") ENABLE
);
DESC PLAYER;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object PLAYER

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PLAYER	PLAYER_ID	Varchar2	50	-	-	1	-	-	-
	PLAYER_NAME	Varchar2	50	-	-	-	✓	-	-
	AGE	Varchar2	50	-	-	-	✓	-	-
	ROLE	Varchar2	50	-	-	-	✓	-	-
	PHONE_NO	Varchar2	50	-	-	-	✓	-	-
	SALARY_ID	Varchar2	50	-	-	-	✓	-	-
	CAPTAIN	Varchar2	50	-	-	-	✓	-	-
	COMMITTEE_ID	Varchar2	50	-	-	-	✓	-	-
	A_ID	Number	-	-	0	-	✓	-	-
	COACH_ID	Varchar2	50	-	-	-	✓	-	-
	TEAM_ID	Varchar2	50	-	-	-	✓	-	-

1 - 11

Task

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "TASK"
(
  "TASK_ID" NUMBER(*,0) NOT NULL ENABLE,
  "PENDING_TASK" VARCHAR2(50),
  "TASK_DEADLINE" DATE,
  "TASK_COMPLETED" VARCHAR2(10),
  PRIMARY KEY ("TASK_ID") ENABLE
);
DESC TASK;
```

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

Object Type TABLE Object TASK

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>TASK</u>	<u>TASK_ID</u>	Number	-	-	0	1	-	-	-
	<u>PENDING_TASK</u>	Varchar2	50	-	-	-	✓	-	-
	<u>TASK_DEADLINE</u>	Date	7	-	-	-	✓	-	-
	<u>TASK_COMPLETED</u>	Varchar2	10	-	-	-	✓	-	-
									1-4

Treat

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "TREAT"
(
  "DOCTOR_ID" VARCHAR2(50),
  "PLAYER_ID" VARCHAR2(50),
  FOREIGN KEY ("DOCTOR_ID")
    REFERENCES "DOCTORS" ("DOCTOR_ID") ENABLE,
  FOREIGN KEY ("PLAYER_ID")
    REFERENCES "PLAYER" ("PLAYER_ID") ENABLE
);
DESC TREAT;
```

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

Object Type TABLE Object TREAT

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>TREAT</u>	<u>DOCTOR_ID</u>	Varchar2	50	-	-	-	✓	-	-
	<u>PLAYER_ID</u>	Varchar2	50	-	-	-	✓	-	-
									1-2

Team

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "TEAM"
(
  "TEAM_ID" VARCHAR2(50) NOT NULL ENABLE,
  "TEAM_NAME" VARCHAR2(50),
  "TEAM_TYPE" VARCHAR2(50),
  "CAPTAIN" VARCHAR2(50),
  "COMMITTEE_ID" VARCHAR2(50),
  "MATCH_ID" VARCHAR2(50),
  PRIMARY KEY ("TEAM_ID") ENABLE,
  FOREIGN KEY ("COMMITTEE_ID")
    REFERENCES "COMMITTEE" ("COMMITTEE_ID") ENABLE,
  FOREIGN KEY ("MATCH_ID")
    REFERENCES "MATCH" ("MATCH_ID") ENABLE
);
DESC TEAM;
```

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

Object Type TABLE Object TEAM

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>TEAM</u>	<u>TEAM_ID</u>	Varchar2	50	-	-	1	-	-	-
	<u>TEAM_NAME</u>	Varchar2	50	-	-	-	✓	-	-
	<u>TEAM_TYPE</u>	Varchar2	50	-	-	-	✓	-	-
	<u>CAPTAIN</u>	Varchar2	50	-	-	-	✓	-	-
	<u>COMMITTEE_ID</u>	Varchar2	50	-	-	-	✓	-	-
	<u>MATCH_ID</u>	Varchar2	50	-	-	-	✓	-	-
									1 - 6

Stadium

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "STADIUM"  
(  
  "STADIUM_ID" VARCHAR2(50) NOT NULL ENABLE,  
  "STADIUM_CITY" VARCHAR2(50),  
  "COUNTRY" VARCHAR2(50),  
  "STREET" VARCHAR2(50),  
  PRIMARY KEY ("STADIUM_ID") ENABLE  
);  
DESC STADIUM;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object STADIUM

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>STADIUM</u>	<u>STADIUM_ID</u>	Varchar2	50	-	-	1	-	-	-
	<u>STADIUM_CITY</u>	Varchar2	50	-	-	-	✓	-	-
	<u>COUNTRY</u>	Varchar2	50	-	-	-	✓	-	-
	<u>STREET</u>	Varchar2	50	-	-	-	✓	-	-
1 - 4									

Salary

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "SALARY"  
(  
  "SALARY_ID" VARCHAR2(50) NOT NULL ENABLE,  
  "DESIGNATION" VARCHAR2(50),  
  "SALARY" NUMBER(6,0),  
  PRIMARY KEY ("SALARY_ID") ENABLE  
);  
DESC SALARY;
```

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

Object Type TABLE Object SALARY

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>SALARY</u>	<u>SALARY_ID</u>	Varchar2	50	-	-	1	-	-	-
	<u>DESIGNATION</u>	Varchar2	50	-	-	-	✓	-	-
	<u>SALARY</u>	Number	-	6	0	-	✓	-	-
1-3									

Match_finance

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "MATCH_FINANCE"
(
  "F_ID" VARCHAR2(50) NOT NULL ENABLE,
  "EARNINGS" VARCHAR2(50),
  "COST" VARCHAR2(50),
  "PLAYER_FEE" VARCHAR2(50),
  "C_ID" VARCHAR2(50),
  "YEAR" VARCHAR2(50),
  PRIMARY KEY ("F_ID") ENABLE,
  FOREIGN KEY ("C_ID")
    REFERENCES "CAMPAIGN" ("C_ID") ENABLE,
  FOREIGN KEY ("YEAR")
    REFERENCES "FINANCIAL" ("YEAR") ENABLE
)
DESC MATCH_FINANCE;
```

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

Object Type TABLE Object MATCH_FINANCE

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>MATCH_FINANCE</u>	<u>F_ID</u>	Varchar2	50	-	-	1	-	-	-
	<u>EARNINGS</u>	Varchar2	50	-	-	-	✓	-	-
	<u>COST</u>	Varchar2	50	-	-	-	✓	-	-
	<u>PLAYER_FEE</u>	Varchar2	50	-	-	-	✓	-	-
	<u>C_ID</u>	Varchar2	50	-	-	-	✓	-	-
	<u>YEAR</u>	Varchar2	50	-	-	-	✓	-	-
									1 - 6

Match

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
CREATE TABLE "MATCH"
(
  "MATCH_ID" VARCHAR2(50) NOT NULL ENABLE,
  "MATCH_NAME" VARCHAR2(50),
  "MATCH_TIME" VARCHAR2(50),
  "RESULT" VARCHAR2(50),
  "STADIUM_ID" VARCHAR2(50),
  "COMMITTEE_ID" VARCHAR2(50),
  "F_ID" VARCHAR2(50),
  "TEAM_ID" VARCHAR2(50),
  "MATCH_DATE" DATE,
  "CAUSE" VARCHAR2(255),
  PRIMARY KEY ("MATCH_ID") ENABLE,
  FOREIGN KEY ("STADIUM_ID")
    REFERENCES "STADIUM" ("STADIUM_ID") ENABLE,
  FOREIGN KEY ("COMMITTEE_ID")
    REFERENCES "COMMITTEE" ("COMMITTEE_ID") ENABLE,
  FOREIGN KEY ("F_ID")
    REFERENCES "MATCH_FINANCE" ("F_ID") ENABLE,
  FOREIGN KEY ("TEAM_ID")
    REFERENCES "TEAM" ("TEAM_ID") ENABLE
);
DESC MATCH;
```

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

Object Type **TABLE** Object **MATCH**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>MATCH</u>	<u>MATCH_ID</u>	Varchar2	50	-	-	1	-	-	-
	<u>MATCH_NAME</u>	Varchar2	50	-	-	-	✓	-	-
	<u>MATCH_TIME</u>	Varchar2	50	-	-	-	✓	-	-
	<u>RESULT</u>	Varchar2	50	-	-	-	✓	-	-
	<u>STADIUM_ID</u>	Varchar2	50	-	-	-	✓	-	-
	<u>COMMITTEE_ID</u>	Varchar2	50	-	-	-	✓	-	-
	<u>F_ID</u>	Varchar2	50	-	-	-	✓	-	-
	<u>TEAM_ID</u>	Varchar2	50	-	-	-	✓	-	-
	<u>MATCH_DATE</u>	Date	7	-	-	-	✓	-	-
	<u>CAUSE</u>	Varchar2	255	-	-	-	✓	-	-
1 - 10									

Finance

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "FINANCIAL"
(
  "YEAR" VARCHAR2(50) NOT NULL ENABLE,
  "ANNUAL_BUDGET" VARCHAR2(50),
  "TOTAL_EARNING" VARCHAR2(50),
  "TOTAL_EXPENSE" VARCHAR2(50),
  "COMMITTEE_ID" VARCHAR2(50),
  PRIMARY KEY ("YEAR") ENABLE,
  FOREIGN KEY ("COMMITTEE_ID")
    REFERENCES "COMMITTEE" ("COMMITTEE_ID") ENABLE
)
DESC FINANCIAL;
```

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

Object Type TABLE Object FINANCIAL

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>FINANCIAL</u>	<u>YEAR</u>	Varchar2	50	-	-	1	-	-	-
	<u>ANNUAL_BUDGET</u>	Varchar2	50	-	-	-	✓	-	-
	<u>TOTAL_EARNING</u>	Varchar2	50	-	-	-	✓	-	-
	<u>TOTAL_EXPENSE</u>	Varchar2	50	-	-	-	✓	-	-
	<u>COMMITTEE_ID</u>	Varchar2	50	-	-	-	✓	-	-
1 - 5									

Address

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "ADDRESS"
(
  "A_ID" NUMBER(*,0),
  "HOLDING" VARCHAR2(10),
  "STREET" VARCHAR2(50),
  "CITY" VARCHAR2(15),
  "COUNTRY" VARCHAR2(15),
  PRIMARY KEY ("A_ID") ENABLE
);
```

desc ADDRESS;

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

Object Type TABLE Object ADDRESS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ADDRESS	A_ID	Number	-	-	0	1	-	-	-
	HOLDING	Varchar2	10	-	-	-	✓	-	-
	STREET	Varchar2	50	-	-	-	✓	-	-
	CITY	Varchar2	15	-	-	-	✓	-	-
	COUNTRY	Varchar2	15	-	-	-	✓	-	-
									1-5

Campaign

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "CAMPAIGN"  
(  
  "C_ID" VARCHAR2(50) NOT NULL ENABLE,  
  "CAMPAIGN_NAME" VARCHAR2(50),  
  "CAMPAIGN_FEE" VARCHAR2(50)  
)  
;  
ALTER TABLE ADD PRIMARY KEY(C_ID);
```

DESC CAMPAIGN;

Results Explain Describe Saved SQL History

Object Type TABLE Object CAMPAIGN

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>CAMPAIGN</u>	<u>C_ID</u>	Varchar2	50	-	-	1	-	-	-
	<u>CAMPAIGN_NAME</u>	Varchar2	50	-	-	-	✓	-	-
	<u>CAMPAIGN_FEE</u>	Varchar2	50	-	-	-	✓	-	-
									1-3

Committee_Members

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
CREATE TABLE "COMMITTEE_MEMBERS"
(
  "MEMBER_ID" NUMBER(5,0),
  "COMMITTEE_ID" VARCHAR2(50),
  FOREIGN KEY ("MEMBER_ID")
    REFERENCES "MEMBER" ("MEMBER_ID") ENABLE,
  FOREIGN KEY ("COMMITTEE_ID")
    REFERENCES "COMMITTEE" ("COMMITTEE_ID") ENABLE
);
DESC COMMITTEE_MEMBERS;
```

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

Object Type TABLE Object COMMITTEE_MEMBERS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
COMMITTEE_MEMBERS	MEMBER_ID	Number	-	5	0	-	✓	-	-
	COMMITTEE_ID	Varchar2	50	-	-	-	✓	-	-
1-2									

Value Insertion

Owner

ORACLE Database Express Edition

User: SYSTEM

Home > SQL > **SQL Commands**

☒ Autocommit Display 50 ▼

```
insert into Owner
values('Boby Cox' , 'Boby124@gmail.com','0174123453',111);
select * from owner;
```

Results Explain Describe Saved SQL History

OWNER_NAME	EMAIL	PHONE_NO	A_ID
Boby Cox	Boby124@gmail.com	0174123453	111

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

Committee

ORACLE® Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 20 

```
insert into Committee
values('C-501','Executive Committee',401,'0166161',121);

insert into Committee
values('C-502','Financial Committee',404,'0266161',122);

insert into Committee
values('C-503','Selection Committee',406,'0966161',126);

insert into Committee
values('C-504','Tournament Committee',403,'0186616',128);

insert into Committee
values('C-505','Team Management Committee',402,'0196161',125);

select * from committee ;|
```

Results Explain Describe Saved SQL History

COMMITTEE_ID	COMMITTEE_NAME	DIRECTOR	PHONE_NO	TASK_ID
C-501	Executive Committee	401	0166161	121
C-502	Financial Committee	404	0266161	122
C-503	Selection Committee	406	0966161	126
C-504	Tournament Committee	403	0186616	128
C-505	Team Management Committe	402	0196661	125
C-506	Technological Committe	601	014273	129

Member

ORACLE® Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 20 

```
insert into member
values(401, 'Bill Bowerman', '015000', NULL, '101', 141);
insert into member
values(402, 'Lenny Wilkins', '016000', NULL, '101', 111);
insert into member
values(403, 'Herb Brooks', '016000', NULL, '101', 116);
insert into member
values(404, 'Tony lang', '017000', NULL, '109', 126);
insert into member
values(405, 'Joe Mccarthy', '0180', NULL, '101', 146);
insert into member
values(501, 'Terence Kirlin', '015466', 404, '110', 126);
insert into member
values(502, 'Ferne Greenholt', '016000', 404, '110', 136);
insert into member
values(503, 'Arnaldo Crona', '01600540', 401, '102', 131);
insert into member
values(504, 'Mr. Kayley Cartwright', '01778000', 402, '102', 151);
insert into member
values(505, 'Reece Rau', '0164680', 403, '102', 156);
insert into member
values(506, 'Bob Becker', '0187680', 404, '102', 136);
insert into member
values(601, 'Bryan Rowe', '014666', NULL, '111', 141);
insert into member
values(602, 'Benjamin Perez', '0154600', 601, '112', 121);
insert into member
values(603, 'Wilfred Jacobs', '01646000', 505, '103', 151);
```

Results Explain Describe Saved SQL History

MEMBER_ID	MEMBER_NAME	PHONE_NO	DIRECTOR	SALARY_ID	A_ID
403	Herb Brooks	016000	-	101	116
404	Tony lang	017000	-	109	126
405	Joe Mccarthy	0180	-	101	146
501	Terence Kirlin	015466	404	110	126
502	Ferne Greenholt	016000	404	110	136
401	Bill Bowerman	015000	-	101	141
402	Lenny Wilkins	016000	-	101	111
503	Arnaldo Crona	01600540	401	102	131
504	Mr. Kayley Cartwright	01778000	402	102	151
505	Reece Rau	0164680	403	102	156
506	Bob Becker	0187680	404	102	136
601	Bryan Rowe	014666	-	111	141
602	Benjamin Perez	0154600	601	112	121
603	Wilfred Jacobs	01646000	505	103	151
604	Hugh Carson	01477000	403	103	116
605	Julius Chavez	029180	402	103	126
406	Julius NovaChrono	0929180	-	113	126
606	Rafael Diablo	0929180	406	105	126

Coach

Home > SQL > **SQL Commands**

☒ Autocommit Display 20 

```
insert into Coach
values('CH-01','Geoffrey Mccarthy',45,'Allrounder',NULL,'016613','C-503' ,111);

insert into Coach
values('CH-02','Ira Cunningham',40,'Allrounder','ch-01','044562','C-503' ,111);

insert into Coach
values('CH-03','Willard Bowen',40,'Batsman',ch-01,'014661631','C-503' ,116);

insert into Coach
values('CH-04','Yolanda Davidson',42,'Tactical','ch-01','019661','C-503' ,126);

insert into Coach
values('CH-05','Roberto Morris',43,'Batsman',ch-01,'096131','C-503' ,131);

select * from coach ;|
```

Results Explain Describe Saved SQL History

COACH_ID	COACH_NAME	AGE	ROLE	HEAD_COACH	PHONE_NO	COMMITTEE_ID	A_ID
CH-01	Geoffrey Mccarthy	45	Allrounder	-	016613	C-503	111
CH-02	Ira Cunningham	40	Batsman	Ch-01	044562	C-503	111
CH-03	Willard Bowen	40	Bowler	Ch-01	0164661631	C-503	116
CH-04	Yolanda Davidson	42	Tactician	CH-01	019661	C-503	126
CH-05	Roberto Morris	43	Batsman	Ch-01	096131	C-503	131

5 rows returned in 0.01 seconds

[CSV Export](#)

Player

Home > SQL > **SQL Commands**

☒ Autocommit Display 

```
insert into player
values('P-08','Hector Stewart',18,'Bowler','575558',100,'P-07','C-503',131,'CH-03','T-03');

insert into player
values('P-09','Belinda Ballard',22,'Bowler','041166',100,'P-02','C-503',146,'CH-02','T-04');

select * from player ;
```

Results Explain Describe Saved SQL History

PLAYER_ID	PLAYER_NAME	AGE	ROLE	PHONE_NO	SALARY_ID	CAPTAIN	COMMITTEE_ID	A_ID	COACH_ID	TEAM_ID
P-01	Pat Brooks	27	Allrounder	01696161	100	-	C-503	111	CH-01	T-01
P-03	Guillermo Oliver	23	Batsman	0616961	100	P-01	C-503	121	CH-02	T-01
P-02	Juana Shaw	25	Allrounder	096521311	100	-	C-503	116	CH-01	T-04
P-05	Tina Rodriguez	23	Batsman	019461	100	P-02	C-503	136	CH-02	T-04
P-04	Maurice Drake	25	Bowler	01091616	100	P-01	C-503	131	CH-03	T-01
P-07	Damon Gibbs	17	Allrounder	41641516	100	-	C-503	141	CH-01	T-03
P-06	Sidney Castro	16	Batsman	515150	100	P-07	C-503	136	CH-02	T-03
P-08	Hector Stewart	18	Bowler	575558	100	P-07	C-503	131	CH-03	T-03
P-09	Belinda Ballard	22	Bowler	041166	100	P-02	C-503	146	CH-02	T-04

9 rows returned in 0.00 seconds

[CSV Export](#)

Task

Home > SQL > **SQL Commands**

☒ Autocommit Display 20 

```
insert into task values(122, 'Distribute Match Fee', to_date('29-DEC-2022','dd-mm-yyyy'),'YES');
insert into Task Values(121, 'New Construction', to_date('25-DEC-2022','dd-mm-yyyy'), 'YES');
insert into Task Values(124, 'Sanction Budget', to_date('21-JUN-2023','dd-mm-yyyy'), 'NO');
insert into task values(125, 'Form New Team', to_date('27-DEC-2022','dd-mm-yyyy'), 'NO');
insert into task values(126, 'Hire a new Coach', to_date('25-DEC-2022','dd-mm-yyyy'), 'YES');
insert into task values(127, 'Visit Foreign Cricket Club', to_date('22-DEC-2022','dd-mm-yyyy'),'YES');
insert into task values(128, 'Arrange a local Match', to_date('10-Feb-2023','dd-mm-yyyy'), 'NO');
insert into task values(129, 'Setup hitech system', to_date('12-DEC-2022','dd-mm-yyyy'), 'YES');
select * from task ;
```

Results Explain Describe Saved SQL History

TASK_ID	PENDING_TASK	TASK_DEADLINE	TASK_COMPLETED
124	Sanction Budget	21-JUN-23	NO
125	Form New Team	27-DEC-22	NO
126	Hire a new Coach	25-DEC-22	YES
127	Visit Foreign Cricket Club	22-DEC-22	YES
128	Arrange a local Match	10-FEB-23	NO
122	Distribute Match Fee	29-DEC-22	YES
121	New Construction	25-DEC-22	YES
129	Setup hitech system	12-DEC-22	YES

8 rows returned in 0.00 seconds

[CSV Export](#)

Committee_Members

Home > SQL > SQL Commands

☒ Autocommit Display 20

```
INSERT INTO COMMITTEE_MEMBERS VALUES(402, 'C-505');
INSERT INTO COMMITTEE_MEMBERS VALUES(504, 'C-505');
INSERT INTO COMMITTEE_MEMBERS VALUES(605, 'C-505');
INSERT INTO COMMITTEE_MEMBERS VALUES(601, 'C-506');
INSERT INTO COMMITTEE_MEMBERS VALUES(602, 'C-506');
INSERT INTO COMMITTEE_MEMBERS VALUES(405, NULL);
INSERT INTO COMMITTEE_MEMBERS VALUES(502, NULL);
INSERT INTO COMMITTEE_MEMBERS VALUES(603, 'C-506');

select * from committee_members ;
```

Results Explain Describe Saved SQL History

MEMBER_ID	COMMITTEE_ID
401	C-501
503	C-501
404	C-502
501	C-502
506	C-502
406	C-503
606	C-503
403	C-504
505	C-504
604	C-504
402	C-505
504	C-505
605	C-505
601	C-506
602	C-506
405	-
502	-
603	-

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

Salary

Home > SQL > **SQL Commands**

☒ Autocommit Display 20 

```
INSERT INTO salary
VALUES (sal_id_seq.NEXTVAL,'Player',50000);
insert into salary
values( sal_id_seq.NEXTVAL, 'Director' , 100000);
insert into salary
values( sal_id_seq.NEXTVAL, 'Senior Executive office' , 50000);
insert into salary
values( sal_id_seq.NEXTVAL, 'Junior Executive Officer' , 40000);

select * from Salary ;|
```

Results Explain Describe Saved SQL History

SALARY_ID	DESIGNATION	SALARY
102	Senior Executive office	50000
103	Junior Executive Officer	40000
104	Doctor	40000
105	Selector	30000
106	Coach	40000
109	Chief Financial Officer	100000
101	Director	100000
100	Player	50000
111	Technological Officer	75000
110	Junior Financial Officer	75000
112	Junior Technological Officer	50000
113	Head Selector	50000

12 rows returned in 0.00 seconds

[CSV Export](#)

Address

[Home](#) > [SQL](#) > **SQL Commands**

☒ Autocommit Display 20

```
insert into address(a_id, holding, street, city, country)
values( a_id_seq.NEXTVAL, '5089' , 'RogerDrive', 'New York', 'USA');
insert into address(a_id, holding, street, city, country)
values( a_id_seq.NEXTVAL, '6789' , 'Susan lane', 'Manila', 'Philippines');
insert into address(a_id, holding, street, city, country)
values( a_id_seq.NEXTVAL, '8989' , 'Silverlane', 'Sao Paolo', 'Brazil');
insert into address(a_id, holding, street, city, country)
values( a_id_seq.NEXTVAL, '8962' , 'Loch Road', 'Beijing', 'China');

select * from address ;
```

Results Explain Describe Saved SQL History

A_ID	HOLDING	STREET	CITY	COUNTRY
111	8080	54 Spirit	Boys Ranch	USA
116	5089	RogerDrive	New York	USA
121	6789	Susan lane	Manila	Philippines
126	8989	Silverlane	Sao Paolo	Brazil
131	8962	Loch Road	Beijing	China
136	1417	Bicetown Road	New York	USA
141	920	Upper Jessore Rd	Kulna	Bangladesh
146	2434	Manaton	Newton Abbot	UK
151	1235a	Vorm Breitenberg 27-29	Netphen	Germany
156	2d3f	Santiago Del Estero 829	Mendoza	Argentina

10 rows returned in 0.02 seconds CSV Export

Campaign

Home > SQL > **SQL Commands**

☒ Autocommit Display 20

```
insert into address(a_id, holding, street, city, country)
values( a_id_seq.NEXTVAL, '5089' , 'RogerDrive', 'New York', 'USA');
insert into address(a_id, holding, street, city, country)
values( a_id_seq.NEXTVAL, '6789' , 'Susan lane', 'Manila', 'Philippines');
insert into address(a_id, holding, street, city, country)
values( a_id_seq.NEXTVAL, '8989' , 'Silverlane', 'Sao Paolo', 'Brazil');
insert into address(a_id, holding, street, city, country)
values( a_id_seq.NEXTVAL, '8962' , 'Loch Road', 'Beijing', 'China');

select * from address ;|
```

Results Explain Describe Saved SQL History

A_ID	HOLDING	STREET	CITY	COUNTRY
111	8080	54 Spirit	Boys Ranch	USA
116	5089	RogerDrive	New York	USA
121	6789	Susan lane	Manila	Philippines
126	8989	Silverlane	Sao Paolo	Brazil
131	8962	Loch Road	Beijing	China
136	1417	Bicetown Road	New York	USA
141	920	Upper Jessore Rd	Kulna	Bangladesh
146	2434	Manaton	Newton Abbot	UK
151	1235a	Vorm Breitenberg 27-29	Netphen	Germany
156	2d3f	Santiago Del Estero 829	Mendoza	Argentina

10 rows returned in 0.02 seconds

CSV Export

Stadium

Home > SQL > **SQL Commands**

☒ Autocommit Display 20 

```
INSERT INTO stadium VALUES
('S-301','London','England','Meditation Lane');
INSERT INTO stadium VALUES
('S-302','Mumbai','India','Silver Way');
INSERT INTO stadium VALUES
('S-303','Melbourne','Australia','Gentle Drive');
INSERT INTO stadium VALUES
('S-304','Johanesnsburg','South Africa','Melody Drive');
INSERT INTO stadium VALUES
('S-305','Istanbul','Turkey','Golden Way');

select * from stadium ;
```

Results Explain Describe Saved SQL History

STADIUM_ID	STADIUM_CITY	COUNTRY	STREET
301	London	England	Meditation Lane
302	Mumbai	India	Silver Way
303	Melbourne	Australia	Gentle Drive
304	Johanesnsburg	South Africa	Melody Drive
305	Istanbul	Turkey	Golden Way
F-06	200000	150000	100000

6 rows returned in 0.01 seconds

[CSV Export](#)

Team

Home > SQL > SQL Commands

☒ Autocommit Display 20 

```
INSERT INTO team VALUES
('T-01','Main','ODI','P-01','C-505',NULL);

INSERT INTO team VALUES
('T-02','Tiger','T-20','P-04','C-505',NULL);

INSERT INTO team VALUES
('T-03','Little Star','Under 18','P-07','C-505',NULL);

select * from team ;
```

Results Explain Describe Saved SQL History

TEAM_ID	TEAM_NAME	TEAM_TYPE	CAPTAIN	COMMITTEE_ID	MATCH_ID
T-01	Main	ODI	P-01	C-505	-
T-02	Tiger	T-20	P-04	C-505	-
T-03	Little Star	Under 18	P-07	C-505	-
T-04	Stars	Women ODI	P-02	C-505	-
T-05	Stars20	Women T-20	-	C-505	-

5 rows returned in 0.02 seconds

[CSV Export](#)

Financial

Home > SQL > SQL Commands

☒ Autocommit Display 20

```
INSERT INTO FINANCIAL(YEAR,ANNUAL_BUDGET,TOTAL_EARNING,TOTAL_EXPENSE,COMMITTEE_ID) VALUES (2015,5000000,7000000,4500000,'C-502');
INSERT INTO FINANCIAL(YEAR,ANNUAL_BUDGET,TOTAL_EARNING,TOTAL_EXPENSE,COMMITTEE_ID) VALUES (2016,60000000,75000000,47500000,'C-502');
INSERT INTO FINANCIAL(YEAR,ANNUAL_BUDGET,TOTAL_EARNING,TOTAL_EXPENSE,COMMITTEE_ID) VALUES (2017,60000000,80000000,50000000,'C-502');
select * from Financial ;
```

Results Explain Describe Saved SQL History

YEAR	ANNUAL_BUDGET	TOTAL_EARNING	TOTAL_EXPENSE	COMMITTEE_ID
2015	5000000	7000000	4500000	C-502
2016	60000000	75000000	47500000	C-502
2017	60000000	80000000	50000000	C-502
2018	70000000	80000000	50000000	C-502
2019	750000000	850000000	500000000	C-502
2020	10000000	5000000	5000000	C-502
2021	25000000	25000000	20000000	C-502
2022	50000000	50000000	30000000	C-502

8 rows returned in 0.02 seconds

[CSV Export](#)

Doctors

Home > SQL > SQL Commands

☒ Autocommit Display 20

```
INSERT INTO DOCTORS
VALUES('D-01','Courtney Ortiz','0151616','121','C-501','104');
INSERT INTO DOCTORS
VALUES('D-02','Patrick Kennedy','0151613','111','C-501','104');
INSERT INTO DOCTORS
VALUES('D-03','Pam Peterson','01666663','126','C-501','104');
INSERT INTO DOCTORS
VALUES('D-04','Regina Mathis','0961644','116','C-501','104');
INSERT INTO DOCTORS
VALUES('D-05','Mona Parker','09876113','131','C-501','104');

select * from doctors ;
```

Results Explain Describe Saved SQL History

DOCTOR_ID	DOCTOR_NAME	PHONE_NO	A_ID	COMMITTEE_ID	SALARY_ID
D-01	Courtney Ortiz	0151616	121	C-501	104
D-02	Patrick Kennedy	0151613	111	C-501	104
D-03	Pam Peterson	01666663	126	C-501	104
D-04	Regina Mathis	0961644	116	C-501	104
D-05	Mona Parker	09876113	131	C-501	104

5 rows returned in 0.00 seconds

[CSV Export](#)

Treat

Home > SQL > **SQL Commands**

☒ Autocommit Display 20 

```
INSERT INTO TREAT
  VALUES('D-02','P-01');
INSERT INTO TREAT
  VALUES('D-04','P-02');
INSERT INTO TREAT
  VALUES('D-05','P-09');
INSERT INTO TREAT
  VALUES('D-01','P-07');
INSERT INTO TREAT
  VALUES('D-03','P-05');
  VALUES('D-05','Mona Parker','09876113','131','C-501','104');
|
select * from treat ;
```

Results Explain Describe Saved SQL History

DOCTOR_ID	PLAYER_ID
D-02	P-01
D-04	P-02
D-05	P-09
D-01	P-07
D-03	P-05

5 rows returned in 0.00 seconds

[CSV Export](#)

Match

Home > SQL > SQL Commands

☒ Autocommit Display 20

```
INSERT INTO MATCH
  VALUES('M-01','Local-01','11:30AM GMT+006','WON','301','C-504','F-01','T-01','02-FEB-22');
INSERT INTO MATCH
  VALUES('M-02','Local Women 01','10:00AM GMT+006','WON','302','C-504','F-02','T-04','05-MAY-22');
INSERT INTO MATCH
  VALUES('M-03','Local T20','1:00PM GMT+006','WON','301','C-504','F-03','T-02','01-AUG-22');
INSERT INTO MATCH
  VALUES('M-04','Under 19','10:30AM GMT+006','WON','303','C-504','F-04','T-03','17-AUG-22');
INSERT INTO MATCH
  VALUES('M-05','ODI Overpowered','12.30PM GMT+006','WON','304','C-504','F-05','T-01','03-SEP-22');
INSERT INTO MATCH
  VALUES('M-06','Covid Gone','11:30AM GMT+006','LOSE','301','C-504','F-06','T-02','12-AUG-20','COVID-19');

select * from match ;
```

Results Explain Describe Saved SQL History

MATCH_ID	MATCH_NAME	MATCH_TIME	RESULT	STADIUM_ID	COMMITTEE_ID	F_ID	TEAM_ID	MATCH_DATE	CAUSE
M-01	Local-01	11:30AM GMT+006	WON	301	C-504	F-01	T-01	02-FEB-22	-
M-02	Local Women 01	10:00AM GMT+006	WON	302	C-504	F-02	T-04	05-MAY-22	-
M-03	Local T20	1:00PM GMT+006	WON	301	C-504	F-03	T-02	01-AUG-22	-
M-04	Under 19	10:30AM GMT+006	WON	303	C-504	F-04	T-03	17-AUG-22	-
M-05	ODI Overpowered	12.30PM GMT+006	WON	304	C-504	F-05	T-01	03-SEP-22	-
M-06	Covid Gone	11:30AM GMT+006	LOSE	301	C-504	F-06	T-02	12-AUG-20	COVID-19

6 rows returned in 0.00 seconds

[CSV Export](#)

Single Row Function

Home > SQL > SQL Commands

☒ Autocommit Display 200 ▼

```
SELECT member_id,member_name,NVL(director,'OWNER') FROM member;
```

Results Explain Describe Saved SQL History

MEMBER_ID	MEMBER_NAME	NVL(DIRECTOR,'OWNER')
403	Herb Brooks	OWNER
404	Tony lang	OWNER
405	Joe Mccarthy	OWNER
501	Terence Kirlin	404
502	Ferne Greenholt	404
401	Bill Bowerman	OWNER
402	Lenny Wilkins	OWNER
503	Arnaldo Crona	401
504	Mr. Kayley Cartwright	402
505	Reece Rau	403
506	Bob Becker	404
601	Bryan Rowe	OWNER
602	Benjamin Perez	601
603	Wilfred Jacobs	505
604	Hugh Carson	403
605	Julius Chavez	402
406	Julius NovaChrono	OWNER
606	Rafael Diablo	406

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

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

```
SELECT a_id, holding, UPPER(city) FROM address WHERE LOWER(country)='china';
```

Results Explain Describe Saved SQL History

A_ID	UPPER(HOLDING)	UPPER(CITY)
131	8962	BEIJING

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

Group Function

Home > SQL > **SQL Commands**

☒ Autocommit Display ▼

```
SELECT COUNT(*) FROM Member WHERE director =404;
```

Results Explain Describe Saved SQL History

COUNT(*)
3

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

Home > SQL > **SQL Commands**

☒ Autocommit Display ▼

```
SELECT MIN(MATCH_DATE) ,MAX(MATCH_DATE) from Match;
```

Results Explain Describe Saved SQL History

MIN(MATCH_DATE)	MAX(MATCH_DATE)
12-AUG-20	03-SEP-22

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

Sub Query & Joining

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
select 'MONTHS BETWEEN MATCH 1 AND MATCH 2 IS: ' || ' ' || ROUND(MONTHS_BETWEEN(match2.MATCH_DATE, match1.MATCH_DATE)) from match match1, match match2 where match1.MATCH_ID = 'N-01' AND match2.MATCH_ID = 'N-02';
```

Results Explain Describe Saved SQL History

```
'MONTHSBETWEENMATCH1ANDMATCH2IS:' || ' ' || ROUND(MONTHS_BETWEEN(MATCH2.MATCH_DATE,MATCH1.MATCH_DATE))
```

MONTHS BETWEEN MATCH 1 AND MATCH 2 IS: 3

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

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
select address.city, address.holding, doctors.doctor_name, doctors.doctor_id from address, doctors where address.a_id = doctors.a_id;
```

Results Explain Describe Saved SQL History

CITY	HOLDING	DOCTOR_NAME	DOCTOR_ID
Boys Ranch	0000	Patrick Kennedy	D-02
New York	5009	Regina Mathis	D-04
Manila	6709	Courtney Ortiz	D-01
Sao Paulo	0809	Pam Peterson	D-03
Beijing	0862	Mona Parker	D-05

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

View

Home > SQL > SQL Commands

☒ Autocommit Display 200

```
SELECT member_id,member name,NVL(director,'OWNER') FROM member;
```

Results Explain Describe Saved SQL History

MEMBER_ID	MEMBER_NAME	NVL(DIRECTOR,'OWNER')
403	Herb Brooks	OWNER
404	Tony lang	OWNER
405	Joe Mccarthy	OWNER
501	Terence Kirlin	404
502	Ferne Greenholt	404
401	Bill Bowerman	OWNER
402	Lenny Wilkins	OWNER
503	Arnaldo Crona	401
504	Mr. Kayley Cartwright	402
505	Reece Rau	403
506	Bob Becker	404
601	Bryan Rowe	OWNER
602	Benjamin Perez	601
603	Wilfred Jacobs	505
604	Hugh Carson	403
605	Julius Chavez	402
406	Julius NovaChrono	OWNER
606	Rafael Diablo	406

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

Home > SQL > SQL Commands

☒ Autocommit Display 20

```
Create view addressview  
As select a_id,street ,city  
From address  
Where country='usa';
```

Results Explain Describe Saved SQL History

View created.

0.03 seconds

Relational Algebra

1. Select only those rows of data where DIRECTOR is 404 from the MEMBER table.

ANS:

$\sigma_{\text{director} = 404}(\text{MEMBER})$

2. Project Member Name and Director from MEMBER table;

ANS:

$\pi_{\text{Member_Name, Director}}(\text{MEMBER})$

3. Project only City where Country is USA from the address table.

ANS:

$\pi_{\text{City}}(\sigma_{\text{country} = \text{'USA'}}(\text{ADDRESS}))$

4. Project coach id, coach name where coach age is less than 43.

ANS:

$\pi_{\text{Coach_ID, Coach_Name}}(\sigma_{\text{age} < 43}(\text{COACH}))$

5. Project those players name whose coach id is CH-01 .

ANS:

$\pi_{\text{Player_Name}}(\sigma_{\text{Coach} = \text{'CH-01'}}(\text{PLAYER}))$

Conclusion

This Cricket Club Management system can easily be used as a database schema of any Cricket Clubs. We tried to include all types of entities and store their information in the easiest way possible. Through this project, we have put our

theoretical knowledge into a practical project. This will surely help in the future project we will be making.