SECTION: K

GROUP 6

DATABASE PROJECT

2022

PROJECT

Cricket Team Management System

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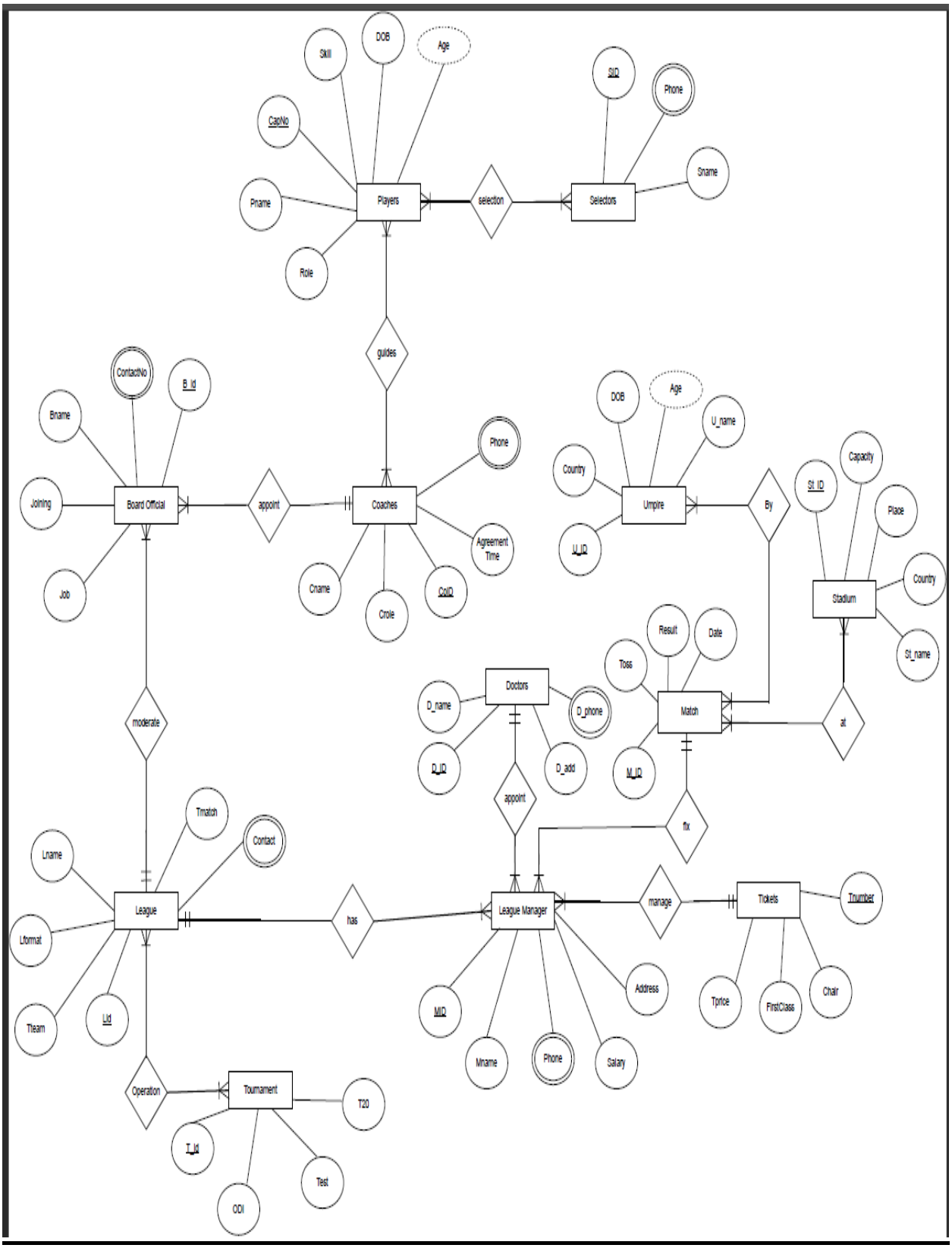
Cricket Team Management System

The Bangladesh Premier League (BPL) is a professional Twenty 20 cricket league in Bangladesh cricket history. The BPL is one of the three professional cricket leagues in Bangladesh. It is the 16th most attended premier league in the world. The league of BPL manages this vast organization with a database. The database usually contains many tournament T20, Test, ODI. Every match of the tournament has many coaches by the team by team. The coaches have phone no, agreement. Coach id, role, name. It has played many leagues contains all league moderate, team match, contact, league name, league format, league team. Every league has a board office like board name, contract no, joining, job. The board appointed a manager for the league. Manager has a manager id, name, phone, salary, address. The board office selected stadium. The stadium has stadium id, capacity, place, country, name. The broad of the league appointed umpire. The umpire has umpire id, country, date of birth, age, name. The board the umpire discussing and fixed many matches like match id, date, result, toss. The board also appointed a doctor. The doctor observes the player and record player's condition. The doctor has doctor id, name, appoint, add, phone. The league participle many players like player name, capital no, name, skill, date of birth, age, role. The players management has many selectors. The selectors selected player. The selectors have sectors id, phone, name. Every league has on or more ticket counter which is managed by the manager. Ticket counter sells tickets. The database keeps some record of tickets like ticket number, chair, first class, ticket prices.


Skill
DOB
Age
CapNo
Pname
Role
Players
selection
Selectors
SID
Phone
Sname
guides
ContactNo
B_id
Bname
Joining
Job
Board Official
appoint
Coaches
Phone
Agreement Time
Cname
Crole
CoID
DOB
Age
U_name
Country
U_ID
Umpire
By
St_ID
Capacity
Place
Stadium
Country
St_name
Result
Date
Toss
Match
at
Doctors
D_name
D_phone
D_ID
D_add
M_ID
appoint
fix
moderate
Tmatch
Contact
Lname
Lformat
Tteam
Lid
League
has
League Manager
manage
Tickets
Tnumber
MID
Mname
Phone
Salary
Address
Tprice
FirstClass
Chair
Operation
Tournament
T20
T_id
ODI
Test

Normalization:

Appoint (Bid, Job, Joining, Bname, contactNo, Coid, Cname, crole, Agreement Time, Phone)

1NF: Phone, ContactNo Multivalude attributes

2NF: Bid, Job, Joining, Bname, contactNo, Coid

Coid, Cname, crole, Agreement Time, Phone

3NF: Bid, Bname, contactNo, Coid, J_ id

J_ id, Job, Joining

Coid, Cname, crole, Agreement Time, Phone

Table: Bid, Bname, contactNo, Coid, J_ id

J_ id, Job, Joining

Coid, Cname, crole, Agreement Time, Phone

Moderate (Bid, Job, Joining, Bname, contactNo, Lid, Tteam, Lformate, Lname, T match, Contact)

1NF: ContactNo, Contact Multivalued attributes

2NF: Bid, Job, Joining, Bname, contactNo, Lid

Lid, Tteam, Lformate, Lname, Tmatch, Contact

3NF: Bid, , Bname, contactNo, Lid, J_id

J_ id, Job, Joining

Lid, Tteam, Lformate, Lname, T match, Contact

Table: Bid, , Bname, contactNo, Lid, J_id

J_id, Job, Joining

Lid, Tteam, Lformate, Lname, Tmatch, Contact

Operation (Lid, Tteam, Lformate, Lname, Tmatch, Contact, Tid, Odi, test, T20

)

1NF: Contact Multivalued attributes

2NF: Lid, Tteam, Lformate, Lname, Tmatch, Contact

Tid, Odi, test, T20

LTid, Lid, Tid

3NF: Lid, Tteam, Lformate, Lname, Tmatch, Contact

Tid, Odi, test, T20

LTid, Lid, Tid

Table: Lid, Tteam, Lformate, Lname, Tmatch, Contact

Tid, Odi, test, T20

LTid, Lid, Tid

Guides(Coid, Cname, crole, Agreement Time, Phone)

, CapNo, Pnamne, Role, Skill, DOB, Age)

1NF: Phone Multivalued attributes

2NF: Coid, Cname, crole, Agreement Time, Phone

CapNo, Pnamne, Role, Skill, DOB, Age

Cid, Coid, CapNo

3NF: Coid, Cname, crole, Agreement Time, Phone

CapNo, Pnamne, Role, Skill, DOB, Age

Cid, Coid, CapNo

Table: Coid, Cname, crole, Agreement Time, Phone

CapNo, Pnamne, Role, Skill, DOB, Age

Cid, Coid, CapNo

Selection (CapNo, Pname, Role, Skill, DOB, Age, SID , Phone, Sname)

1NF: Phone Multivalued attributes

2NF: CapNo, Pname, Role, Skill, DOB, Age

SID , Phone, Sname

CSid, CapNo, SID

3NF: CapNo, Pname, Role, Skill, DOB, Age

SID , Phone, Sname

CSid, CapNo, SID

Table: CapNo, Pname, Role, Skill, DOB, Age

SID , Phone, Sname

CSid, CapNo, SID

Has (Lid, Lteam, Lname, Lformat, Lmatch, contact, Mid, Mname, phone, salary, address)

1NF : contact, phone multivalued attribute

2NF : Lid , Lteam, Lname, Lformat, Lmatch, contact

Mid, Mname, phone, salary, address, LId

3NF : Lid , Lteam, Lname, Lformat, Lmatch, contact

Mid, Mname, phone, salary, address, Lid

Table : Lid , Lteam, Lname, Lformat, Lmatch, contact

Mid, Mname, phone, salary, address, Lid

Appoints (Mid, Mname, phone, salary, address, Did, Dname, Dadd, Dphone)

1NF : phone, D_phone multivalued attribute

2NF : Mid, Mname, phone, salary, address, Did

Did, Dname, Dadd, Dphone

3NF : Mid, Mname, phone, salary, address, Did

Did, Dname, Dadd, Dphone

Table : Mid, Mname, phone, salary, address, Did

Did, Dname, Dadd, Dphone

Manage (Mid, Mname, phone, salary, address, Tnumber, Tprice, firstClass, chair)

1NF : phone, multivalued attribute

2NF : Mid, Mname, phone, salary, address, Tnumber

Tnumber, Tprice, firstClass, chair

3NF : Mid, Mname, phone, salary, address, Tnumber

Tnumber, Tprice, firstClass, chair

Table : Mid, Mname, phone, salary, address, Tnumber

Tnumber, Tprice, firstClass, chair

Fix (Mid, Mname, phone, salary, address, M_id, date, result, toss)

1NF : phone multivalued attribute

2NF : Mid, Mname, phone, salary,address, M_id

M_id, date, result, toss

3NF : Mid, Mname, phone, salary,address,M_id

Mid, date, result, toss

Table : Mid, Mname, phone, salary, address, M_id

Mid, date, result, toss

By (Mid, date, result, toss, Uid, country, DOB, age, Uname)

1NF : No multivalued attribute

2NF : Mid, date, result, toss

Uid, country, DOB, age, Uname

MUid, Mid, Uid

3NF :

Mid, date, result, toss

Uid, country, DOB, age, Uname

MUid, Mid, Uid

Table : Mid, date, result, toss

Uid, country, DOB, age, Uname

MUid, Mid, Uid

At (Mid, date, result, toss, St_id ,capacity, place, country, St_name)

1NF : No Multivalued Attribute

2NF : Mid, date, result, toss

St_id ,capacity, place, country, St_name

_MSid , Mid, ST_id

3NF : Mid, date, result, toss

St_id,capacity, St_name,CP_id

CP_id, S_country, place

_MSid , Mid, ST_id

Table **:** Mid, date, result, toss

St_id,capacity, St_name,CP_id

CP_id, S_country, place

_MSid , Mid, ST_id

Total Table:

Bid, Bname, contactNo, Coid

J_id, Job, Joining

Coid, Cname, crole, Agreement Time, Phone

Bid, , Bname, contactNo, Lid, J_id

J_ id, Job, Joining

Lid, Tteam, Lformate, Lname, T match, Contact

Lid, Tteam, Lformate, Lname, Tmatch, Contact

Tid, Odi, test, T20

LTid, Lid, Tid

Coid, Cname, crole, Agreement Time, Phone

CapNo, Pnamne, Role, Skill, DOB, Age

Cid, Coid, CapNo

CapNo, Pname, Role, Skill, DOB, Age

SID , Phone, Sname

CSid, CapNo, SID

Lid , Lteam, Lname, Lformat, Lmatch, contact

Mid, Mname, phone, salary, address, Lid

Mid, Mname, phone, salary, address, Did

Did, Dname, Dadd, Dphone

Mid, Mname, phone, salary, address, Tnumber

Tnumber, Tprice, firstClass, chair

Mid, Mname, phone, salary, address, M_id

Mid, date, result, toss

Mid, date, result, toss

Uid, country, DOB, age, Uname

MUid, Mid, Uid

Mid, date, result, toss

St_id,capacity, St_name

CPid, country, place

MSid , Mid, ST_id

Final Table:

1. Bid, Bname, contactNo, Coid,J_id
2. J_ id, Job, Joining
3. Coid Cname, crole, Agreement Time, Phone
4. Lid, Tteam, Lformate, Lname, T match, Contact
5. Tid, Odi, test, T20
6. LTid, Lid, Tid
7. CapNo, Pnamne, Role, Skill, DOB, Age
8. Cid, Coid, CapNo
9. SID , Phone, Sname
10. CSid, CapNo, SID
11. Mid, Mname, phone, salary, address, Lid
12. Mid, Mname, phone, salary, address, Did

13. Did, Dname, Dadd, Dphone
14. Mid, Mname, phone, salary, address, Tnumber
15. Tnumber, Tprice, firstClass, chair
16. Mid, Mname, phone, salary, address, M_id
17. M_id, MDate, MResult, Toss
18. U_id, country, DOB, age, Uname
19. MUid, M_id, U_id
20. St_id,capacity, St_name,CP_id
21. CP_id, S_country, place
22. MSid , M_id, St_id

Table Creation (With Screenshot):

ORACLE Database Express Edition

User: SCOTT

Home > SQL > SQL Commands

Autocommit Display 10

```
3.      create table Coach (
                        Coid varchar2(10) constraint Coach_Coid_pk primary key,
                            Cname varchar2(10) not NULL,
                            Crole varchar2(10) not NULL,
                            Agreement_time varchar2(10) not NULL,
                            Phone number(11) unique
                        )
                        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
COACH	COID	Varchar2	10	-	-	1	-	-	-
	CNAME	Varchar2	10	-	-	-	-	-	-
	CROLE	Varchar2	10	-	-	-	-	-	-
	AGREEMENT_TIME	Varchar2	10	-	-	-	-	-	-
	PHONE	Number	-	11	0	-	✓	-	-

1 - 5

Autocommit Display 10

```
2.      create table Job1(
                            J_id varchar2(10) constraint Coach_J_id_pk primary key,
                            Job varchar2(10),
                             Joining varchar2(10)

                             )
                             desc Job1
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **JOB1**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
JOB1	J_ID	Varchar2	10	-	-	1	-	-	-
	JOB	Varchar2	10	-	-	-	✓	-	-
	JOINING	Varchar2	10	-	-	-	✓	-	-

1 - 3

Autocommit Display 10

```
1.      create table Board_Official(
                         Bid varchar2(10) constraint Board_official_bid_pk primary key,
                        J_id varchar2(10) constraint bo_J_id_fk references Job1(J_id),
                         Bname varchar2(10) not NULL unique,
                         ContactNo number(11) unique,
                         Coid varchar2(10) constraint board_official_Coid_fk references Coach(Coid)
                         )
                         desc Board_Official
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **BOARD_OFFICIAL**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
BOARD_OFFICIAL	BID	Varchar2	10	-	-	1	-	-	-
	J_ID	Varchar2	10	-	-	-	✓	-	-
	BNAME	Varchar2	10	-	-	-	-	-	-
	CONTACTNO	Number	-	11	0	-	✓	-	-
	COID	Varchar2	10	-	-	-	✓	-	-

1 - 5

Autocommit Display 10

```
4.      create table League(
                         Lid varchar2(10) constraint league_Lid_pk primary key ,
                         Tteam varchar2(10) not NULL,
                         Lformate varchar2(10) not NULL,
                         Lname varchar2(10) not null,
                         Tmatch varchar2(10) not NULL,
                         Contact number(11) unique
                         )
                         desc League
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **LEAGUE**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
LEAGUE	LID	Varchar2	10	-	-	1	-	-	-
	TTEAM	Varchar2	10	-	-	-	-	-	-
	LFORMATE	Varchar2	10	-	-	-	-	-	-
	LNAME	Varchar2	10	-	-	-	-	-	-
	TMATCH	Varchar2	10	-	-	-	-	-	-
	CONTACT	Number	-	11	0	-	✓	-	-

1 - 6

Autocommit Display 10

```
5.      create table Tournament(
                        Tid varchar2(10) constraint Tournament_Tid_pk primary key,
                        ODI number(10) not null,
                        Test number(10) not null,
                        T20 number(10) not null
                        )

                        desc Tournament
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **TOURNAMENT**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TOURNAMENT	TID	Varchar2	10	-	-	1	-	-	-
	ODI	Number	-	10	0	-	-	-	-
	TEST	Number	-	10	0	-	-	-	-
	T20	Number	-	10	0	-	-	-	-

1 - 4

Autocommit Display 10

```
6.      create table League_Tournament(
                        LTid varchar2(10) constraint LT_LTid_pk primary key,
                        Lid varchar2(10) constraint LT_Lid_fk references League(Lid),
                        Tid varchar2(10) constraint LT_Tid_fk references Tournament(Tid)
                        )
                        desc League_Tournament
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **LEAGUE_TOURNAMENT**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
LEAGUE_TOURNAMENT	LTID	Varchar2	10	-	-	1	-	-	-
	LID	Varchar2	10	-	-	-	✓	-	-
	TID	Varchar2	10	-	-	-	✓	-	-

1 - 3

Autocommit Display 10

```
7.      create table Player(
                        CapNo varchar2(10) constraint Player_capNo_pk primary key,
                        Pname varchar2(10) not Null,
                        Role varchar2(10),
                        Skill varchar2(10),
                        DOB varchar2(10) ,
                        Age number(2)
                        )

                        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	CAPNO	Varchar2	10	-	-	1	-	-	-
	PNAME	Varchar2	10	-	-	-	-	-	-
	ROLE	Varchar2	10	-	-	-	✓	-	-
	SKILL	Varchar2	10	-	-	-	✓	-	-
	DOB	Varchar2	10	-	-	-	✓	-	-
	AGE	Number	-	2	0	-	✓	-	-

1 - 6

Autocommit Display 10

```
8.      create table Coach_player(

                        Cid varchar2(10) constraint CP_Cid_pk primary key,
                        Coid varchar2(10) ,
                        CapNo varchar2(10) constraint CP_CapNo_fk references Player(CapNo)
                        )
                          desc Coach_player
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **COACH_PLAYER**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
COACH_PLAYER	CID	Varchar2	10	-	-	1	-	-	-
	COID	Varchar2	10	-	-	-	✓	-	-
	CAPNO	Varchar2	10	-	-	-	✓	-	-

1 - 3

Autocommit Display 10

```
9.      create table Selector(

                        SID varchar2(10) constraint Selector_SID_pf primary key,
                        Sphone number(11) unique,
                        Sname varchar2(10) not null
                        )
                        desc Selector
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **SELECTOR**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SELECTOR	SID	Varchar2	10	-	-	1	-	-	-
	SPHONE	Number	-	11	0	-	✓	-	-
	SNAME	Varchar2	10	-	-	-	-	-	-

1 - 3

Autocommit Display 10

```
10.     create table Player_selector(

                        CSid varchar2(10) constraint PS_CSid_pk primary key,
                        CapNo varchar2(10) constraint PS_CapNo_fk references Player(CapNo),
                        SID varchar2(10) constraint PS_SID_fk references Selector(SID)
                        )
                        desc Player_selector
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **PLAYER_SELECTOR**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PLAYER_SELECTOR	CSID	Varchar2	10	-	-	1	-	-	-
	CAPNO	Varchar2	10	-	-	-	✓	-	-
	SID	Varchar2	10	-	-	-	✓	-	-

1 - 3

Autocommit Display 10

```
create table Manager_League(

                        Mid varchar2(10) constraint ML_Mid_pk primary key,
                        Mname varchar2(10) not null unique,
                        Phone number(11) unique,
                        Salary number(10) not null unique,
                        Address varchar2(10) unique,
                        Lid varchar2(10) constraint ML_Lid_fk references League(Lid)
                        )
                        desc Manager_League
                        drop table Manager_League
```

Results Explain **Describe** Saved SQL History

Object Type **TABLE** Object **MANAGER_LEAGUE**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MANAGER_LEAGUE	MID	Varchar2	10	-	-	1	-	-	-
	MNAME	Varchar2	10	-	-	-	-	-	-
	PHONE	Number	-	11	0	-	✓	-	-
	SALARY	Number	-	10	0	-	-	-	-
	ADDRESS	Varchar2	10	-	-	-	✓	-	-
	LID	Varchar2	10	-	-	-	✓	-	-

1 - 6

```
create table Manager_League2(

                    Mname varchar2(10) constraint ML2_Mname_fk references Manager_League(Mname),
                    Phone number(11) constraint ML2_Phone_fk references Manager_League(Phone),
                    Salary number(10) constraint ML2_Salary_fk references Manager_League(Salary),
                    Address varchar2(10) constraint ML2_Address_fk references Manager_League(Address),
                    Did varchar2(10) constraint ML2_Did_fk references Doctor(Did)
                    )
                desc Manager_league2
```

Results Explain **Describe** Saved SQL History

Object Type **TABLE** Object **MANAGER_LEAGUE2**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MANAGER_LEAGUE2	MNAME	Varchar2	10	-	-	-	✓	-	-
	PHONE	Number	-	11	0	-	✓	-	-
	SALARY	Number	-	10	0	-	✓	-	-
	ADDRESS	Varchar2	10	-	-	-	✓	-	-
	DID	Varchar2	10	-	-	-	✓	-	-

1 - 5

Autocommit Display 10

```
13.         create table Doctor(

                    Did varchar2(10) constraint Doctor_Did_pk primary key,
                    Dname varchar2(10) not null,
                    Dadd varchar2(10) not null,
                    Dphone number(11) not null
                    )
                    desc Doctor
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **DOCTOR**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DOCTOR	DID	Varchar2	10	-	-	1	-	-	-
	DNAME	Varchar2	10	-	-	-	-	-	-
	DADD	Varchar2	10	-	-	-	-	-	-
	DPHONE	Number	-	11	0	-	-	-	-

1 - 4

```
create table Manager_Ticket(

                  Mname varchar2(10) constraint MT_Mname_fk references Manager_League(Mname),
                Phone number(11) constraint MT_Phone_fk references Manager_League(Phone),
                Salary number(10) constraint MT_Salary_fk references Manager_League(Salary),
                Address varchar2(10) constraint MT_Address_fk references Manager_League(Address),
                Tnumber number(4) constraint MT_Tnumber_fk references Ticket(Tnumber)
                )
                desc Manager_Ticket
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **MANAGER_TICKET**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MANAGER_TICKET	MNAME	Varchar2	10	-	-	-	✓	-	-
	PHONE	Number	-	11	0	-	✓	-	-
	SALARY	Number	-	10	0	-	✓	-	-
	ADDRESS	Varchar2	10	-	-	-	✓	-	-
	TNUMBER	Number	-	4	0	-	✓	-	-

1 - 5

```
create table Manager_Match(

                    Mname varchar2(10) constraint MM_Mname_fk references Manager_League(Mname),
                    Phone number(11) constraint MM_Phone_fk references Manager_League(Phone),
                    Salary number(10) constraint MM_Salary_fk references Manager_League(Salary),
                    Address varchar2(10) constraint MM_Address_fk references Manager_League(Address),
                    M_id varchar2(10) constraint MM_M_id_fk references Match(M_id)
                    )
                   desc Manager_match
```

Results Explain **Describe** Saved SQL History

Object Type **TABLE** Object **MANAGER_MATCH**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MANAGER_MATCH	MNAME	Varchar2	10	-	-	-	✓	-	-
	PHONE	Number	-	11	0	-	✓	-	-
	SALARY	Number	-	10	0	-	✓	-	-
	ADDRESS	Varchar2	10	-	-	-	✓	-	-
	M_ID	Varchar2	10	-	-	-	✓	-	-

1 - 5

```
create table Ticket(

                    Tnumber number(4) constraint Ticket_Tnumber_pk primary key,
                    Tprice number(3) not null,
                    FirstClass number(3) not null,
                    Chair number(4) not null
                    )

                desc Ticket
```

Results Explain **Describe** Saved SQL History

Object Type **TABLE** Object **TICKET**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TICKET	TNUMBER	Number	-	4	0	1	-	-	-
	TPRICE	Number	-	3	0	-	-	-	-
	FIRSTCLASS	Number	-	3	0	-	-	-	-
	CHAIR	Number	-	4	0	-	-	-	-

1 - 4

```
create table Match_Umpire(

                MUid varchar2(10) constraint MU_MUid_pk primary key,
                M_id varchar2(10) constraint MU_M_id_fk references Match(M_id),
                U_id varchar2(10) constraint MU_U_id_fk references Umpire(U_id)
                )
                desc Match_Umpire
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **MATCH_UMPIRE**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MATCH_UMPIRE	MUID	Varchar2	10	-	-	1	-	-	-
	M_ID	Varchar2	10	-	-	-	✓	-	-
	U_ID	Varchar2	10	-	-	-	✓	-	-
									1 - 3

```
create table Umpire(

                 U_id varchar2(10) constraint Umpire_U_id_pk primary key,
                Country varchar2(10) not null ,
                DOB varchar2(10) not null,
                Age number(2) not null,
                Uname varchar2(10)
                )
                desc Umpire
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **UMPIRE**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
UMPIRE	U_ID	Varchar2	10	-	-	1	-	-	-
	COUNTRY	Varchar2	10	-	-	-	-	-	-
	DOB	Varchar2	10	-	-	-	-	-	-
	AGE	Number	-	2	0	-	-	-	-
	UNAME	Varchar2	10	-	-	-	✓	-	-
									1 - 5

```
create table Match_Stadium(

                MSid varchar2(10) constraint MS_MSid_pk primary key,
                M_id varchar2(10) constraint MS_M_id_fk references Match(M_id),
                St_id varchar2(10) constraint MS_St_id_fk references Stadium(St_id)
                )

                desc Match_Stadium
```

Results Explain **Describe** Saved SQL History

Object Type **TABLE** Object **MATCH_STADIUM**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MATCH_STADIUM	MSID	Varchar2	10	-	-	1	-	-	-
	M_ID	Varchar2	10	-	-	-	✓	-	-
	ST_ID	Varchar2	10	-	-	-	✓	-	-
									1 - 3

```
create table Stadium1(

              CP_id varchar2(10) constraint Stadium1_CP_id_pk primary key,
              S_country varchar2(10) not null,
              Place varchar2(10) not null
              )
                desc Stadium1
```

Results Explain **Describe** Saved SQL History

Object Type **TABLE** Object **STADIUM1**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
STADIUM1	CP_ID	Varchar2	10	-	-	1	-	-	-
	S_COUNTRY	Varchar2	10	-	-	-	-	-	-
	PLACE	Varchar2	10	-	-	-	-	-	-
									1 - 3

```
create table Stadium(

                St_id varchar2(10) constraint Stadium_St_id_pk primary key,
                Capacity number(5) not null,
                St_name varchar2(10) not null,
                CP_id varchar2(10) constraint ST_CP_id_fk references Stadium1(CP_id)
                )
                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
STADIUM	ST_ID	Varchar2	10	-	-	1	-	-	-
	CAPACITY	Number	-	5	0	-	-	-	-
	ST_NAME	Varchar2	10	-	-	-	-	-	-
	CP_ID	Varchar2	10	-	-	-	✓	-	-
									1 - 4

```
create table Match(

                M_id varchar2(10) constraint Match_M_id_pk primary key,
                MDate varchar2(6) not null,
                MResult varchar2(5) not null,
                Toss varchar2(5) not null
                )
                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
MATCH	M_ID	Varchar2	10	-	-	1	-	-	-
	MDATE	Varchar2	6	-	-	-	-	-	-
	MRESULT	Varchar2	5	-	-	-	-	-	-
	TOSS	Varchar2	5	-	-	-	-	-	-
									1 - 4

Data Insertion with Screen Shot:

Autocommit Display 100

```
insert into Coach(Coid,Cname,Crole,Agreement_time,Phone) values ('1001','Bob','Main Coach', '5 years',01711001100)
insert into Coach(Coid,Cname,Crole,Agreement_time,Phone) values ('1002','Joe','Main Coach', '4 years',01711001101)

insert into Coach(Coid,Cname,Crole,Agreement_time,Phone) values('1003','Jonny','Assistant', '2 years',01711001102)
insert into Coach(Coid,Cname,Crole,Agreement_time,Phone) values('1004','Marley','Batting', '2 years',01711001103)
insert into Coach(Coid,Cname,Crole,Agreement_time,Phone) values('1005','Snoop','Batting', '3 years',01711001104)
insert into Coach(Coid,Cname,Crole,Agreement_time,Phone) values('1006','Jonathan','Fielding', '3 years',01711001105)
insert into Coach(Coid,Cname,Crole,Agreement_time,Phone) values('1007','Tim','Batting', '1 years',01711001106)
insert into Coach(Coid,Cname,Crole,Agreement_time,Phone) values('1008','Barlers','Fielding', '3 years',01711001107)
insert into Coach(Coid,Cname,Crole,Agreement_time,Phone) values('1009','Lee','Fitness', '2 years',01711001108)
insert into Coach(Coid,Cname,Crole,Agreement_time,Phone) values('1010','Jerry','Bowler', '2 years',01711001109)

select * from Coach
```

Results Explain Describe Saved SQL History

COID	CNAME	CROLE	AGREEMENT_TIME	PHONE
1001	Bob	Main Coach	5 years	1711001100
1002	Joe	Main Coach	4 years	17110011001
1003	Jonny	Assistant	2 years	1711001102
1004	Marley	Batting	2 years	1711001103
1005	Snoop	Batting	3 years	1711001104
1006	Jonathan	Fielding	3 years	1711001105
1007	Tim	Batting	1 years	1711001106
1008	Barlers	Fielding	3 years	1711001107
1009	Lee	Fitness	2 years	1711001108
1010	Jerry	Bowler	2 years	1711001109

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Job1(J_id,Job,Joining) values('2001','Director','January')
insert into Job1(J_id,Job,Joining) values('2002','Assistant','January')
insert into Job1(J_id,Job,Joining) values('2003','Exicutive','February')
insert into Job1(J_id,Job,Joining) values('2004','Manager','April')
insert into Job1(J_id,Job,Joining) values('2005','Exicutive','March')
insert into Job1(J_id,Job,Joining) values('2006','Exicutive','December')
insert into Job1(J_id,Job,Joining) values('2007','Exicutive','January')
insert into Job1(J_id,Job,Joining) values('2008','Exicutive','January')
insert into Job1(J_id,Job,Joining) values('2009','Senior Ass','September')
insert into Job1(J_id,Job,Joining) values('2010','Junior Ass','May')


select * from Job1
```

Results Explain Describe Saved SQL History

J_ID	JOB	JOINING
2001	Director	January
2002	Assistant	January
2003	Exicutive	February
2004	Manager	April
2005	Exicutive	March
2006	Exicutive	December
2007	Exicutive	January
2008	Exicutive	January
2009	Senior Ass	September
2010	Junior Ass	May

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Board_Official(Bid,Bname,ContactNo,Coid,J_id)values('3001','Bangladesh','01800110011','1001','2001')
insert into Board_Official(Bid,Bname,ContactNo,Coid,J_id)values('3002','India','01800110012','1002','2002')
insert into Board_Official(Bid,Bname,ContactNo,Coid,J_id)values('3003','Afganistan','01800110013','1003','2003')
insert into Board_Official(Bid,Bname,ContactNo,Coid,J_id)values('3004','Newzealand','01800110014','1004','2004')
insert into Board_Official(Bid,Bname,ContactNo,Coid,J_id)values('3005','Pakistan','01800110015','1005','2005')
insert into Board_Official(Bid,Bname,ContactNo,Coid,J_id)values('3006','Argentina','01800110016','1006','2006')
insert into Board_Official(Bid,Bname,ContactNo,Coid,J_id)values('3007','Australia','01800110017','1007','2007')
insert into Board_Official(Bid,Bname,ContactNo,Coid,J_id)values('3008','Srilanka','01800110018','1008','2008')
insert into Board_Official(Bid,Bname,ContactNo,Coid,J_id)values('3009','England','01800110019','1009','2009')
insert into Board_Official(Bid,Bname,ContactNo,Coid,J_id)values('3010','Westindies','01800110010','1010','2010')


select * from Board_Official
```

Results Explain Describe Saved SQL History

BID	J_ID	BNAME	CONTACTNO	COID
3001	2001	Bangladesh	1800110011	1001
3002	2002	India	1800110012	1002
3003	2003	Afganistan	1800110013	1003
3004	2004	Newzealand	1800110014	1004
3005	2005	Pakistan	1800110015	1005
3006	2006	Argentina	1800110016	1006
3007	2007	Australia	1800110017	1007
3008	2008	Srilanka	1800110018	1008
3009	2009	England	1800110019	1009
3010	2010	Westindies	1800110010	1010

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into League(Lid,Tteam,Lformate,Lname,Tmatch,Contact)values(4001,11,'T20','BPL',30,09002200100)
insert into League(Lid,Tteam,Lformate,Lname,Tmatch,Contact)values(4002,12,'T20','IPL',30,09002200101)
insert into League(Lid,Tteam,Lformate,Lname,Tmatch,Contact)values(4003,9,'T20','BigBASH',20,09002200102)
insert into League(Lid,Tteam,Lformate,Lname,Tmatch,Contact)values(4004,8,'T10','PPL',21,09002200103)
insert into League(Lid,Tteam,Lformate,Lname,Tmatch,Contact)values(4005,7,'T10','SPL',16,09002200104)
insert into League(Lid,Tteam,Lformate,Lname,Tmatch,Contact)values(4006,8,'T10','ZPL',15,09002200105)
insert into League(Lid,Tteam,Lformate,Lname,Tmatch,Contact)values(4007,10,'ODI','JPL',18,09002200106)
insert into League(Lid,Tteam,Lformate,Lname,Tmatch,Contact)values(4008,9,'ODI','DPL',16,09002200107)
insert into League(Lid,Tteam,Lformate,Lname,Tmatch,Contact)values(4009,6,'Test','CKC',5,09002200108)
insert into League(Lid,Tteam,Lformate,Lname,Tmatch,Contact)values(4010,3,'Test','Ashes',6,09002200109)

select * from League
```

Results Explain Describe Saved SQL History

LID	TTEAM	LFORMATE	LNAME	TMATCH	CONTACT
4001	11	T20	BPL	30	9002200100
4002	12	T20	IPL	30	9002200101
4003	9	T20	BigBASH	20	9002200102
4004	8	T10	PPL	21	9002200103
4005	7	T10	SPL	16	9002200104
4006	8	T10	ZPL	15	9002200105
4007	10	ODI	JPL	18	9002200106
4008	9	ODI	DPL	16	9002200107
4009	6	Test	CKC	5	9002200108
4010	3	Test	Ashes	6	9002200109

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Tournament(Tid,ODI,Test,T20)values('5001','10','5','20')
insert into Tournament(Tid,ODI,Test,T20)values('5002','11','4','10')
insert into Tournament(Tid,ODI,Test,T20)values('5003','12','2','10')
insert into Tournament(Tid,ODI,Test,T20)values('5004','9','5','12')
insert into Tournament(Tid,ODI,Test,T20)values('5005','15','6','12')
insert into Tournament(Tid,ODI,Test,T20)values('5006','7','4','13')
insert into Tournament(Tid,ODI,Test,T20)values('5007','8','3','15')
insert into Tournament(Tid,ODI,Test,T20)values('5008','11','2','20')
insert into Tournament(Tid,ODI,Test,T20)values('5009','13','5','14')
insert into Tournament(Tid,ODI,Test,T20)values('5010','8','4','16')

select * from Tournament
```

Results Explain Describe Saved SQL History

TID	ODI	TEST	T20
5001	10	5	20
5002	11	4	10
5003	12	2	10
5004	9	5	12
5005	15	6	12
5006	7	4	13
5007	8	3	15
5008	11	2	20
5009	13	5	14
5010	8	4	16

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into League_Tournament(LTid,Lid,Tid)values('6001','4001','5001')
insert into League_Tournament(LTid,Lid,Tid)values('6002','4002','5002')
insert into League_Tournament(LTid,Lid,Tid)values('6003','4003','5003')
insert into League_Tournament(LTid,Lid,Tid)values('6004','4004','5004')
insert into League_Tournament(LTid,Lid,Tid)values('6005','4005','5005')
insert into League_Tournament(LTid,Lid,Tid)values('6006','4006','5006')
insert into League_Tournament(LTid,Lid,Tid)values('6007','4007','5007')
insert into League_Tournament(LTid,Lid,Tid)values('6008','4008','5008')
insert into League_Tournament(LTid,Lid,Tid)values('6009','4009','5009')
insert into League_Tournament(LTid,Lid,Tid)values('6010','4010','5010')

select * from League_Tournament
```

Results Explain Describe Saved SQL History

LTID	LID	TID
6001	4001	5001
6002	4002	5002
6003	4003	5003
6004	4004	5004
6005	4005	5005
6006	4006	5006
6007	4007	5007
6008	4008	5008
6009	4009	5009
6010	4010	5010

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Player(CapNo,Pname,Role,Skill,DOB,Age) values('1','Sakib','AllRounder','AllRounder','21-11-1994',28)
insert into Player(CapNo,Pname,Role,Skill,DOB,Age) values('2','Mushfiq','Keeper','Keeper','21-11-1993',30)
insert into Player(CapNo,Pname,Role,Skill,DOB,Age) values('3','Liton','Batsman','Batsman','21-11-1994',28)
insert into Player(CapNo,Pname,Role,Skill,DOB,Age) values('4','Mehedi','AllRounder','AllRounder','21-11-1996',26)
insert into Player(CapNo,Pname,Role,Skill,DOB,Age) values('5','Mahadi','Bowler','Bowler','21-11-1997',25)
insert into Player(CapNo,Pname,Role,Skill,DOB,Age) values('6','Sohan','AllRounder','AllRounder','21-11-1996',26)
insert into Player(CapNo,Pname,Role,Skill,DOB,Age) values('7','Virat','Batsman','Batsman','21-11-1996',26)
insert into Player(CapNo,Pname,Role,Skill,DOB,Age) values('8','Dhoni','Keeper','Keeper','21-11-1994',28)
insert into Player(CapNo,Pname,Role,Skill,DOB,Age) values('9','Jadeja','AllRounder','AllRounder','21-11-1994',28)
insert into Player(CapNo,Pname,Role,Skill,DOB,Age) values('10','Rohit','Batsman','Batsman','21-11-1994',28)

select * from Player
```

Results Explain Describe Saved SQL History

CAPNO	PNAME	ROLE	SKILL	DOB	AGE
1	Sakib	AllRounder	AllRounder	21-11-1994	28
2	Mushfiq	Keeper	Keeper	21-11-1993	30
3	Liton	Batsman	Batsman	21-11-1994	28
4	Mehedi	AllRounder	AllRounder	21-11-1996	26
5	Mahadi	Bowler	Bowler	21-11-1997	25
6	Sohan	AllRounder	AllRounder	21-11-1996	26
7	Virat	Batsman	Batsman	21-11-1996	26
8	Dhoni	Keeper	Keeper	21-11-1994	28
9	Jadeja	AllRounder	AllRounder	21-11-1994	28
10	Rohit	Batsman	Batsman	21-11-1994	28

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Coach_Player(Cid,Coid,CapNo)values('6001','1001','1')
insert into Coach_Player(Cid,Coid,CapNo)values('6002','1002','2')
insert into Coach_Player(Cid,Coid,CapNo)values('6003','1003','3')
insert into Coach_Player(Cid,Coid,CapNo)values('6004','1004','4')
insert into Coach_Player(Cid,Coid,CapNo)values('6005','1005','5')
insert into Coach_Player(Cid,Coid,CapNo)values('6006','1006','6')
insert into Coach_Player(Cid,Coid,CapNo)values('6007','1007','7')
insert into Coach_Player(Cid,Coid,CapNo)values('6008','1008','8')
insert into Coach_Player(Cid,Coid,CapNo)values('6009','1009','9')
insert into Coach_Player(Cid,Coid,CapNo)values('6010','1010','10')

select * from Coach_Player
```

Results Explain Describe Saved SQL History

CID	COID	CAPNO
6001	1001	1
6002	1002	2
6003	1003	3
6004	1004	4
6005	1005	5
6006	1006	6
6007	1007	7
6008	1008	8
6009	1009	9
6010	1010	10

10 rows returned in 0.02 seconds CSV Export

Autocommit Display 100

```
insert into Selector(SID,Sphone,Sname)values('7001',01722112200,'Papon')
insert into Selector(SID,Sphone,Sname)values('7002',01722112201,'Mahmudul')
insert into Selector(SID,Sphone,Sname)values('7003',01722112202,'Jonny')
insert into Selector(SID,Sphone,Sname)values('7004',01722112203,'Jordan')
insert into Selector(SID,Sphone,Sname)values('7005',01722112204,'Allision')
insert into Selector(SID,Sphone,Sname)values('7006',01722112205,'Martinez')
insert into Selector(SID,Sphone,Sname)values('7007',01722112206,'Sowrov')
insert into Selector(SID,Sphone,Sname)values('7008',01722112207,'Pappu')
insert into Selector(SID,Sphone,Sname)values('7009',01722112208,'Noyon')
insert into Selector(SID,Sphone,Sname)values('7010',01722112209,'Noton')

select * from Selector
```

Results Explain Describe Saved SQL History

SID	SPHONE	SNAME
7001	1722112200	Papon
7002	1722112201	Mahmudul
7003	1722112202	Jonny
7004	1722112203	Jordan
7005	1722112204	Allision
7006	1722112205	Martinez
7007	1722112206	Sowrov
7008	1722112207	Pappu
7009	1722112208	Noyon
7010	1722112209	Noton

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Player_Selector(CSid,CapNo,SID)values('8001','1','7001')
insert into Player_Selector(CSid,CapNo,SID)values('8002','2','7002')
insert into Player_Selector(CSid,CapNo,SID)values('8003','3','7003')
insert into Player_Selector(CSid,CapNo,SID)values('8004','4','7004')
insert into Player_Selector(CSid,CapNo,SID)values('8005','5','7005')
insert into Player_Selector(CSid,CapNo,SID)values('8006','6','7006')
insert into Player_Selector(CSid,CapNo,SID)values('8007','7','7007')
insert into Player_Selector(CSid,CapNo,SID)values('8008','8','7008')
insert into Player_Selector(CSid,CapNo,SID)values('8009','9','7009')
insert into Player_Selector(CSid,CapNo,SID)values('8010','10','7010')


select * from Player_Selector
```

Results Explain Describe Saved SQL History

CSID	CAPNO	SID
8001	1	7001
8002	2	7002
8003	3	7003
8004	4	7004
8005	5	7005
8006	6	7006
8007	7	7007
8008	8	7008
8009	9	7009
8010	10	7010

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Manager_League(Mid,Mname,Phone,Salary,Address,Lid)values('9004','Sojib',01700445503,41000,'India','4004')

insert into Manager_League(Mid,Mname,Phone,Salary,Address,Lid)values('9005','Korim',01700445504,43000,'Poland','4005')

insert into Manager_League(Mid,Mname,Phone,Salary,Address,Lid)values('9006','Rahim',01700445505,60000,'Australia','4006')

insert into Manager_League(Mid,Mname,Phone,Salary,Address,Lid)values('9007','Sagor',01700445506,63000,'Ireland','4007')

insert into Manager_League(Mid,Mname,Phone,Salary,Address,Lid)values('9008','Mehedi',01700445507,70000,'Pakistan','4008')

insert into Manager_League(Mid,Mname,Phone,Salary,Address,Lid)values('9009','Touhid',01700445508,80000,'Brazil','4009')

insert into Manager_League(Mid,Mname,Phone,Salary,Address,Lid)values('9010','Pappu',01700445509,45000,'Bangladesh','4010')

select * from Manager_League
```

Results Explain Describe Saved SQL History

MID	MNAME	PHONE	SALARY	ADDRESS	LID
9001	Papon	1700445500	90000	Dhaka	4001
9002	Periston	1700445501	50000	England	4002
9004	Sojib	1700445503	41000	India	4004
9005	Korim	1700445504	43000	Poland	4005
9006	Rahim	1700445505	60000	Australia	4006
9007	Sagor	1700445506	63000	Ireland	4007
9008	Mehedi	1700445507	70000	Pakistan	4008
9009	Touhid	1700445508	80000	Brazil	4009
9010	Pappu	1700445509	45000	Bangladesh	4010

9 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Doctor(Did,Dname,Dadd,Dphone)values('1101','Altaf','Mirpur',09900992200)
insert into Doctor(Did,Dname,Dadd,Dphone)values('1102','Akbar','Gulshan',09900992201)

insert into Doctor(Did,Dname,Dadd,Dphone)values('1103','Bosir','Farmgate',09900992202)
insert into Doctor(Did,Dname,Dadd,Dphone)values('1104','Latif','Badda',09900992203)
insert into Doctor(Did,Dname,Dadd,Dphone)values('1105','Abdul','Savar',09900992204)

insert into Doctor(Did,Dname,Dadd,Dphone)values('1106','Johir','Chennai',09900992205)
insert into Doctor(Did,Dname,Dadd,Dphone)values('1107','Osoa','Mumbai',09900992206)

insert into Doctor(Did,Dname,Dadd,Dphone)values('1108','Dibala','Patna',09900992207)

insert into Doctor(Did,Dname,Dadd,Dphone)values('1109','Asif','Kolkata',09900992208)

insert into Doctor(Did,Dname,Dadd,Dphone)values('1110','Elham','Madraz',09900992209)

select * from Doctor
```

Results Explain Describe Saved SQL History

DID	DNAME	DADD	DPHONE
1101	Altaf	Mirpur	9900992200
1102	Akbar	Gulshan	9900992201
1103	Bosir	Farmgate	9900992202
1104	Latif	Badda	9900992203
1105	Abdul	Savar	9900992204
1106	Johir	Chennai	9900992205
1107	Osoa	Mumbai	9900992206
1108	Dibala	Patna	9900992207
1109	Asif	Kolkata	9900992208
1110	Elham	Madraz	9900992209

10 rows returned in 0.01 seconds CSV Export

Autocommit Display 100

```
insert into Manager_League2(Mname,Phone,Salary,Address,Did)values('Papon',01700445500,90000,'Dhaka','1101')

insert into Manager_League2(Mname,Phone,Salary,Address,Did)values('Periston',01700445501,50000,'England','1102')

insert into Manager_League2(Mname,Phone,Salary,Address,Did)values('Anderson',01700445502,40000,'Ghana','1103')

insert into Manager_League2(Mname,Phone,Salary,Address,Did)values('Sojib',01700445503,41000,'India','1104')

insert into Manager_League2(Mname,Phone,Salary,Address,Did)values('Korim',01700445504,43000,'Poland','1105')

insert into Manager_League2(Mname,Phone,Salary,Address,Did)values('Rahim',01700445505,60000,'Australia','1106')

insert into Manager_League2(Mname,Phone,Salary,Address,Did)values('Sagor',01700445506,63000,'Ireland','1107')

insert into Manager_League2(Mname,Phone,Salary,Address,Did)values('Mehedi',01700445507,70000,'Pakistan','1108')

insert into Manager_League2(Mname,Phone,Salary,Address,Did)values('Touhid',01700445508,80000,'Brazil','1109')

insert into Manager_League2(Mname,Phone,Salary,Address,Did)values('Pappu',01700445509,45000,'Bangladesh','1110')

select * from Manager_League2
```

Results Explain Describe Saved SQL History

MNAME	PHONE	SALARY	ADDRESS	DID
Papon	1700445500	90000	Dhaka	1101
Periston	1700445501	50000	England	1102
Sojib	1700445503	41000	India	1104
Korim	1700445504	43000	Poland	1105
Rahim	1700445505	60000	Australia	1106
Sagor	1700445506	63000	Ireland	1107
Mehedi	1700445507	70000	Pakistan	1108
Touhid	1700445508	80000	Brazil	1109
Pappu	1700445509	45000	Bangladesh	1110
Anderson	1700445502	40000	Ghana	1103

Autocommit Display 100

```
insert into Ticket(Tnumber,Tprice,FirstClass,Chair)values('2101',400,980,100)
insert into Ticket(Tnumber,Tprice,FirstClass,Chair)values('2102',300,950,200)
insert into Ticket(Tnumber,Tprice,FirstClass,Chair)values('2103',400,630,150)
insert into Ticket(Tnumber,Tprice,FirstClass,Chair)values('2104',200,750,170)

insert into Ticket(Tnumber,Tprice,FirstClass,Chair)values('2105',100,550,180)

insert into Ticket(Tnumber,Tprice,FirstClass,Chair)values('2106',600,570,140)

insert into Ticket(Tnumber,Tprice,FirstClass,Chair)values('2107',800,900,200)

insert into Ticket(Tnumber,Tprice,FirstClass,Chair)values('2108',900,900,400)

insert into Ticket(Tnumber,Tprice,FirstClass,Chair)values('2109',400,900,600)

insert into Ticket(Tnumber,Tprice,FirstClass,Chair)values('2110',700,600,200)

select * from Ticket
```

Results Explain Describe Saved SQL History

TNUMBER	TPRICE	FIRSTCLASS	CHAIR
2101	400	980	100
2102	300	950	200
2103	400	630	150
2104	200	750	170
2105	100	550	180
2106	600	570	140
2107	800	900	200
2108	900	900	400
2109	400	900	600
2110	700	600	200

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Manager_Ticket(Mname,Phone,Salary,Address,Tnumber)values('Papon',01700445500,90000,'Dhaka','2101')
insert into Manager_Ticket(Mname,Phone,Salary,Address,Tnumber)values('Periston',01700445501,50000,'England','2102')
insert into Manager_Ticket(Mname,Phone,Salary,Address,Tnumber)values('Sojib',01700445503,41000,'India','2104')
insert into Manager_Ticket(Mname,Phone,Salary,Address,Tnumber)values('Korim',01700445504,43000,'Poland','2105')

insert into Manager_Ticket(Mname,Phone,Salary,Address,Tnumber)values('Rahim',01700445505,60000,'Australia','2106')
insert into Manager_Ticket(Mname,Phone,Salary,Address,Tnumber)values('Sagor',01700445506,63000,'Ireland','2107')

insert into Manager_Ticket(Mname,Phone,Salary,Address,Tnumber)values('Mehedi',01700445507,70000,'Pakistan','2108')

insert into Manager_Ticket(Mname,Phone,Salary,Address,Tnumber)values('Touhid',01700445508,80000,'Brazil','2109')

insert into Manager_Ticket(Mname,Phone,Salary,Address,Tnumber)values('Pappu',01700445509,45000,'Bangladesh','2110')

insert into Manager_Ticket(Mname,Phone,Salary,Address,Tnumber)values('Anderson',01700445502,40000,'Ghana','2103')

select * from Manager_Ticket
```

Results Explain Describe Saved SQL History

MNAME	PHONE	SALARY	ADDRESS	TNUMBER
Papon	1700445500	90000	Dhaka	2101
Periston	1700445501	50000	England	2102
Sojib	1700445503	41000	India	2104
Korim	1700445504	43000	Poland	2105
Rahim	1700445505	60000	Australia	2106
Sagor	1700445506	63000	Ireland	2107
Mehedi	1700445507	70000	Pakistan	2108
Touhid	1700445508	80000	Brazil	2109
Pappu	1700445509	45000	Bangladesh	2110
Anderson	1700445502	40000	Ghana	2103

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Match(M_id,MDate,MResult,Toss)values('3101','1-1-23','Won','Lost')
insert into Match(M_id,MDate,MResult,Toss)values('3102','3-1-23','Won','Won')
insert into Match(M_id,MDate,MResult,Toss)values('3103','4-1-23','Lost','Won')

insert into Match(M_id,MDate,MResult,Toss)values('3104','6-1-23','Draw','Won')
insert into Match(M_id,MDate,MResult,Toss)values('3105','7-1-23','Draw','Lost')

insert into Match(M_id,MDate,MResult,Toss)values('3106','9-1-23','Lost','Won')

insert into Match(M_id,MDate,MResult,Toss)values('3107','2-1-23','Won','Won')

insert into Match(M_id,MDate,MResult,Toss)values('3108','1-1-23','Lost','Lost')

insert into Match(M_id,MDate,MResult,Toss)values('3109','5-1-23','Won','Won')

insert into Match(M_id,MDate,MResult,Toss)values('3110','6-1-23','Won','Lost')

select * from Match
```

Results Explain Describe Saved SQL History

M_ID	MDATE	MRESULT	TOSS
3101	1-1-23	Won	Lost
3102	3-1-23	Won	Won
3103	4-1-23	Lost	Won
3104	6-1-23	Draw	Won
3105	7-1-23	Draw	Lost
3106	9-1-23	Lost	Won
3107	2-1-23	Won	Won
3108	1-1-23	Lost	Lost
3109	5-1-23	Won	Won
3110	6-1-23	Won	Lost

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Manager_Match(Mname,Phone,Salary,Address,M_id)values('Papon',01700445500,90000,'Dhaka','3101')
insert into Manager_Match(Mname,Phone,Salary,Address,M_id)values('Periston',01700445501,50000,'England','3102')

insert into Manager_Match(Mname,Phone,Salary,Address,M_id)values('Sojib',01700445503,41000,'India','3104')

insert into Manager_Match(Mname,Phone,Salary,Address,M_id)values('Korim',01700445504,43000,'Poland','3105')

insert into Manager_Match(Mname,Phone,Salary,Address,M_id)values('Rahim',01700445505,60000,'Australia','3106')

insert into Manager_Match(Mname,Phone,Salary,Address,M_id)values('Sagor',01700445506,63000,'Ireland','3107')

insert into Manager_Match(Mname,Phone,Salary,Address,M_id)values('Mehedi',01700445507,70000,'Pakistan','3108')

insert into Manager_Match(Mname,Phone,Salary,Address,M_id)values('Touhid',01700445508,80000,'Brazil','3109')

insert into Manager_Match(Mname,Phone,Salary,Address,M_id)values('Pappu',01700445509,45000,'Bangladesh','3110')

insert into Manager_Match(Mname,Phone,Salary,Address,M_id)values('Anderson',01700445502,40000,'Ghana','3103')

select * from Manager_Match
```

Results Explain Describe Saved SQL History

MNAME	PHONE	SALARY	ADDRESS	M_ID
Papon	1700445500	90000	Dhaka	3101
Periston	1700445501	50000	England	3102
Sojib	1700445503	41000	India	3104
Korim	1700445504	43000	Poland	3105
Rahim	1700445505	60000	Australia	3106
Sagor	1700445506	63000	Ireland	3107
Mehedi	1700445507	70000	Pakistan	3108
Touhid	1700445508	80000	Brazil	3109
Pappu	1700445509	45000	Bangladesh	3110
Anderson	1700445502	40000	Ghana	3103

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Umpire(U_id,Country,DOB,Age,Uname)values('4101','Bangladesh','21-6-1980',42,'Sanaul')

insert into Umpire(U_id,Country,DOB,Age,Uname)values('4102','Bangladesh','19-1-1980',42,'Abdul')

insert into Umpire(U_id,Country,DOB,Age,Uname)values('4103','Bangladesh','21-4-1982',40,'Papon')

insert into Umpire(U_id,Country,DOB,Age,Uname)values('4104','India','11-6-1981',41,'Rohit')

insert into Umpire(U_id,Country,DOB,Age,Uname)values('4105','Australia','1-1-1981',41,'Stark')

insert into Umpire(U_id,Country,DOB,Age,Uname)values('4106','England','8-1-1980',42,'Stocks')

insert into Umpire(U_id,Country,DOB,Age,Uname)values('4107','Australia','2-3-1978',44,'Mitchel')

insert into Umpire(U_id,Country,DOB,Age,Uname)values('4108','Westindies','29-9-1976',46,'Cris')

insert into Umpire(U_id,Country,DOB,Age,Uname)values('4109','England','30-8-1976',46,'Jason')

insert into Umpire(U_id,Country,DOB,Age,Uname)values('4110','Srilanka','24-5-1980',42,'Shanaka')

select * from Umpire
```

Results Explain Describe Saved SQL History

U_ID	COUNTRY	DOB	AGE	UNAME
4101	Bangladesh	21-6-1980	42	Sanaul
4102	Bangladesh	19-1-1980	42	Abdul
4103	Bangladesh	21-4-1982	40	Papon
4104	India	11-6-1981	41	Rohit
4105	Australia	1-1-1981	41	Stark
4106	England	8-1-1980	42	Stocks
4107	Australia	2-3-1978	44	Mitchel
4108	Westindies	29-9-1976	46	Cris
4109	England	30-8-1976	46	Jason
4110	Srilanka	24-5-1980	42	Shanaka

10 rows returned in 0.02 seconds CSV Export

Autocommit Display 100

```
insert into Match_Umpire(MUid,M_id,U_id)values('5101','3101','4101')

insert into Match_Umpire(MUid,M_id,U_id)values('5102','3102','4102')

insert into Match_Umpire(MUid,M_id,U_id)values('5103','3103','4103')
insert into Match_Umpire(MUid,M_id,U_id)values('5104','3104','4104')

insert into Match_Umpire(MUid,M_id,U_id)values('5105','3105','4105')

insert into Match_Umpire(MUid,M_id,U_id)values('5106','3106','4106')

insert into Match_Umpire(MUid,M_id,U_id)values('5107','3107','4107')

insert into Match_Umpire(MUid,M_id,U_id)values('5108','3108','4108')

insert into Match_Umpire(MUid,M_id,U_id)values('5109','3109','4109')

insert into Match_Umpire(MUid,M_id,U_id)values('5110','3110','4110')

select * from Match_Umpire
```

Results Explain Describe Saved SQL History

MUID	M_ID	U_ID
5101	3101	4101
5102	3102	4102
5103	3103	4103
5104	3104	4104
5105	3105	4105
5106	3106	4106
5107	3107	4107
5108	3108	4108
5109	3109	4109
5110	3110	4110

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Stadium1(CP_id,S_country,Place)values('6101','Bangladesh','Bangladesh')

insert into Stadium1(CP_id,S_country,Place)values('6102','Bangladesh','Bangladesh')

insert into Stadium1(CP_id,S_country,Place)values('6103','India','India')

insert into Stadium1(CP_id,S_country,Place)values('6104','Pakistan','Pakistan')
insert into Stadium1(CP_id,S_country,Place)values('6105','India','India')

insert into Stadium1(CP_id,S_country,Place)values('6106','Pakistan','Pakistan')

insert into Stadium1(CP_id,S_country,Place)values('6107','Srilanka','Srilanka')

insert into Stadium1(CP_id,S_country,Place)values('6108','Newzealand','Newzealand')

insert into Stadium1(CP_id,S_country,Place)values('6109','Australia','Australia')

insert into Stadium1(CP_id,S_country,Place)values('6110','England','England')

select * from Stadium1
```

Results Explain Describe Saved SQL History

CP_ID	S_COUNTRY	PLACE
6101	Bangladesh	Bangladesh
6102	Bangladesh	Bangladesh
6103	India	India
6104	Pakistan	Pakistan
6105	India	India
6106	Pakistan	Pakistan
6107	Srilanka	Srilanka
6108	Newzealand	Newzealand
6109	Australia	Australia
6110	England	England

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Stadium(St_id,Capacity,St_name,CP_id)values('7101',50000,'DHS','6101')

insert into Stadium(St_id,Capacity,St_name,CP_id)values('7102',20000,'BHS','6102')

insert into Stadium(St_id,Capacity,St_name,CP_id)values('7103',10000,'MKL','6103')

insert into Stadium(St_id,Capacity,St_name,CP_id)values('7104',60000,'OOP','6104')
insert into Stadium(St_id,Capacity,St_name,CP_id)values('7105',80000,'DERAS','6105')

insert into Stadium(St_id,Capacity,St_name,CP_id)values('7106',90000,'Poland','6106')

insert into Stadium(St_id,Capacity,St_name,CP_id)values('7107',20000,'Perrot','6107')

insert into Stadium(St_id,Capacity,St_name,CP_id)values('7108',23000,'Lord','6108')

insert into Stadium(St_id,Capacity,St_name,CP_id)values('7109',87000,'Mirpur','6109')

insert into Stadium(St_id,Capacity,St_name,CP_id)values('7110',12500,'IELER','6110')

select * from Stadium
```

Results Explain Describe Saved SQL History

ST_ID	CAPACITY	ST_NAME	CP_ID
7101	50000	DHS	6101
7102	20000	BHS	6102
7103	10000	MKL	6103
7104	60000	OOP	6104
7105	80000	DERAS	6105
7106	90000	Poland	6106
7107	20000	Perrot	6107
7108	23000	Lord	6108
7109	87000	Mirpur	6109
7110	12500	IELER	6110

10 rows returned in 0.00 seconds CSV Export

Autocommit Display 100

```
insert into Match_Stadium(MSid,M_id,St_id)values('8101','3101','7101')

insert into Match_Stadium(MSid,M_id,St_id)values('8102','3102','7102')

insert into Match_Stadium(MSid,M_id,St_id)values('8103','3103','7103')

insert into Match_Stadium(MSid,M_id,St_id)values('8104','3104','7104')

insert into Match_Stadium(MSid,M_id,St_id)values('8105','3105','7105')
insert into Match_Stadium(MSid,M_id,St_id)values('8106','3106','7106')

insert into Match_Stadium(MSid,M_id,St_id)values('8107','3107','7107')

insert into Match_Stadium(MSid,M_id,St_id)values('8108','3108','7108')

insert into Match_Stadium(MSid,M_id,St_id)values('8109','3109','7109')

insert into Match_Stadium(MSid,M_id,St_id)values('8110','3110','7110')

select * from Match_Stadium
```

Results Explain Describe Saved SQL History

MSID	M_ID	ST_ID
8101	3101	7101
8102	3102	7102
8103	3103	7103
8104	3104	7104
8105	3105	7105
8106	3106	7106
8107	3107	7107
8108	3108	7108
8109	3109	7109
8110	3110	7110

10 rows returned in 0.00 seconds CSV Export

General Query

1.Display Coach ID, Coach name, Coach Agreement Time and Coach Phone number?

=>Select Coid,Cname,Agreement_time,Phone from Coach

2.Display Board Official ID,Board Name where Coach ID is 1003?

=> select Bid,Bname from Board_Official where Coid='1003'

3.Display the number of ODI,Test and T20 series Tournament id is between 5001 and 5004?

=>select ODI,Test,T20 from Tournament where Tid between '5001' and '5004'

4)Display Manager name, manager phone number, address and salary in descending order by salary?

=>select Mname,Phone,Address ,salary from Manager_league order by salary desc

5)Display Player name and Date of Birth who have the skill All rounder from age 25 to 26?

=>select Pname,DOB from Player where Skill like '%Batsman%' and Age between 28 and 30

View

1.Create a view and display the Coach name,Coach ID,Coach Role and Phone number where agreement time is less than 3 years.

=>

Create or replace view Coach_Details

as

select c.Coid , c.Cname, c.Crole, c.Phone from Coach c where c.Agreement_time <’3 years’

select * from Coach_Details

Group Function

1.Display the total salary of the Manager

=>select sum(Salary) from Manager_League

2)Display the lowest and highest ticket price ?

=>select min(Tprice) ,max(Tprice) from Ticket

3)Display the number of League name in which there is at least an ‘L’?

=>select count(Lname) from League where Lname like ‘%L%’

4)Display the maximum capacity where Stadium Id is greater than 7103?

=>select max(Capacity) from Stadium where CP_id>’7103’

5)Display the average ticket price where ticket firstClass ticket in between 550 to 980?

=>select avg(Tprice) from Ticket where FirstClass between 550 and 980

Single Row Function

1.Display all the information of the Manager in uppercase where salary>60000?

=>select Mid,UPPER(Mname) , Phone,UPPER(Address) from Manager_League where Salary>60000

2.Display all information about the Doctor whose name is ‘osoa, altaf’

=>select * from Doctor where lower(Dname) =’osoa, altaf’

3.Display the Stadium name and the capacity concataning like ‘StadiumName has Capacity’

Select (ST_name ||’ ‘||’has’||’ ‘||capacity) from Stadium

4.Display the annual salary of the manager who lives in Ireland and also name the table annual salary

Select (salary*12)as Annual_Salary from Manager_Ticket where Address=’Ireland’

5.display the country length, Date of birth ,age and concat the umpire name and id

Select (Uname ||’ ‘||U_ID), length(country) as Country_Length, DOB,Age from Umpire

Subquery

1.Display the manager name and salary for all managers who earn more than manager number 9005

Select Mname,salary from Manager_League where salary>(select Mid from Manager_League where Mid=’9005’

2.Display the joining month and job of the Board officials who was joined after job number 2004

Select Job, Joining from Job1 where Joining >(select Joining from Job1 where J_id=’2004’)

3.Display the umpire name ,age ,date of birth for all umpires who lives in the same country whose umpire id is 4101

Select Uname,Age,DOB,U_id from Umpire where country in(select country

from Umpire where u_id=’4101’)

4.Display the Stadium id ,capacity ,stadium name where the capacity is greater than equal to the stadium name DHS,OOP and Lord

select st_id, capacity , st_name from Stadium where capacity>=any(select capacity from Stadium where st_name in ('DHS','OOP','Lord'))

5. Display Mname, phone, salary, address of all managers who have salary less then those managers who have 'P' at first of their name.

Select mname, phone, salary, address from manager_league2 where salary <all (select salary from manager_league2 where mname like 'P%')

Sequence

create sequence seriall increment by 1 start with 1111 maxvalue 2100 nocycle

insert into Stadium1(CP_id,S_country,Place)values(seriall.nextval,'Nepal','Nepal')

insert into Stadium1(CP_id,S_country,Place)values(seriall.nextval,'Argentina','Argentina')

select * from Stadium1 where place = ANY('Argentina','Argentina')

Joining

Equivalent Joint:

1.Display doctors id,dname,phone number along with managers name and phone number?

select d.did,d.dname,d.dphone,m.mname,m.phone from doctor d, manager_league2 m where d.did=m.did

Autocommit Display 10

```
select d.did,d.dname,d.dphone,m.mname,m.phone from doctor d, manager_league2 m where d.did=m.did
```

Results Explain Describe Saved SQL History

DID	DNAME	DPHONE	MNAME	PHONE
1101	Altaf	9900992200	Papon	1700445500
1102	Akbar	9900992201	Periston	1700445501
1104	Latif	9900992203	Sojib	1700445503
1105	Abdul	9900992204	Korim	1700445504
1106	Johir	9900992205	Rahim	1700445505
1107	Osoa	9900992206	Sagor	1700445506
1108	Dibala	9900992207	Mehedi	1700445507
1109	Asif	9900992208	Touhid	1700445508
1110	Elham	9900992209	Pappu	1700445509
1103	Bosir	9900992202	Anderson	1700445502

10 rows returned in 0.02 seconds CSV Export

2.Display ticket no ,ticket price along with the manager name of all tickits?

select t.tnumber, t.tprice ,m.mname from ticket t ,manager_ticket m where t.tnumber=m.tnumber

Autocommit Display 10

```
select t.tnumber, t.tprice ,m.mname from ticket t ,manager_ticket m where t.tnumber=m.tnumber
```

Results Explain Describe Saved SQL History

TNUMBER	TPRICE	MNAME
2101	400	Papon
2102	300	Periston
2104	200	Sojib
2105	100	Korim
2106	600	Rahim
2107	800	Sagor
2108	900	Mehedi
2109	400	Touhid
2110	700	Pappu
2103	400	Anderson

10 rows returned in 0.02 seconds CSV Export

Non Equivalent Joint:

1.Display number of odi matches of a tournament where tournment id is more than league id?

select t.odi from tournament t, league_tournament l where t.tid=l.tid and t.tid>l.lid

Autocommit Display 10

```
select t.odi from tournament t, league_tournament l where t.tid=l.tid and t.tid>l.lid
```

Results Explain Describe Saved SQL History

ODI
10
11
12
9
15
7
8
11
13
8

10 rows returned in 0.00 seconds CSV Export

2.display number of captain when PlayerSelector_id is greater than selectors id?

select p.capNo from Player_selector p ,selector s where p.sid=s.sid and p.csid>s.sid

Autocommit Display 10

```
select p.capNo from Player_selector p ,selector s where p.sid=s.sid and  p.csid>s.sid
```

Results Explain Describe Saved SQL History

CAPNO
1
2
3
4
5
6
7
8
9
10

10 rows returned in 0.00 seconds CSV Export

Self Joint:

1.display player naame,role and skill of those who has same role and skill?

select p.pname ,p.role, s.skill from player p,player s where p.capno=s.capno and p.role=s.skill

Autocommit Display 10

```
select p.pname ,p.role, s.skill from player p,player s where p.capno=s.capno and p.role=s.skill
```

Results Explain Describe Saved SQL History

PNAME	ROLE	SKILL
Sakib	AllRounder	AllRounder
Mushfiq	Keeper	Keeper
Liton	Batsman	Batsman
Mehedi	AllRounder	AllRounder
Mahadi	Bowler	Bowler
Sohan	AllRounder	AllRounder
Virat	Batsman	Batsman
Dhoni	Keeper	Keeper
Jadeja	AllRounder	AllRounder
Rohit	Batsman	Batsman

10 rows returned in 0.02 seconds CSV Export

2.Display the match result and toss result of those matches win by winning tosses and lost by lossing tosses?

select a.mresult , b.toss from match a, match b where a.m_id=b.m_id and a.mresult=b.toss

Autocommit Display 10

```
select a.mresult , b.toss from match a, match b where a.m_id=b.m_id and a.mresult=b.toss
```

Results Explain Describe Saved SQL History

MRESULT	TOSS
Won	Won
Won	Won
Lost	Lost
Won	Won

4 rows returned in 0.00 seconds CSV Export

Outer Joint:

1.Display ticket number along with all managers name and address where manager salary is greater ticket price ?

select t.tnumber ,m.mname,m.address from ticket t, manager_ticket m where m.tnumber=t.tnumber(+) and m.salary>t.tprice

Home > SQL > SQL Commands

Autocommit Display 10

```
select t.tnumber ,m.mname,m.address from ticket t, manager_ticket m where m.tnumber=t.tnumber(+) and m.salary>t.tprice
```

Results Explain Describe Saved SQL History

TNUMBER	MNAME	ADDRESS
2101	Papon	Dhaka
2102	Periston	England
2104	Sojib	India
2105	Korim	Poland
2106	Rahim	Australia
2107	Sagor	Ireland
2108	Mehedi	Pakistan
2109	Touhid	Brazil
2110	Pappu	Bangladesh
2103	Anderson	Ghana

10 rows returned in 0.00 seconds CSV Export

2.display all stadium info with match id?

select m.m_id,s.st_id,s.capacity,s.st_name,s.cp_id from stadium s ,match_stadium m where m.st_id(+)=s.st_id

Home > SQL > SQL Commands

Autocommit Display 10

```
select m.m_id,s.st_id,s.capacity,s.st_name,s.cp_id from stadium s ,match_stadium m where m.st_id(+)=s.st_id
```

Results Explain Describe Saved SQL History

M_ID	ST_ID	CAPACITY	ST_NAME	CP_ID
3101	7101	50000	DHS	6101
3102	7102	20000	BHS	6102
3103	7103	10000	MKL	6103
3104	7104	60000	OOP	6104
3105	7105	80000	DERAS	6105
3106	7106	90000	Poland	6106
3107	7107	20000	Perrot	6107
3108	7108	23000	Lord	6108
3109	7109	87000	Mirpur	6109
3110	7110	12500	IELER	6110

10 rows returned in 0.02 seconds CSV Export