create or replace procedure SD\_sp\_tbl\_IPL

as

begin

-- table scoresheet

begin

Execute immediate 'Drop table SD\_tbl\_IPL';

Exception when others then NULl;

end;

execute immediate 'create table SD\_tbl\_IPL(

team\_id number constraint pk\_tbl\_IPL primary key,

team\_short varchar2(10),

team\_name varchar2(50)

)';

-- Ipl matchresult

begin

Execute immediate 'Drop table SD\_tbl\_IPL\_Matchresult';

Exception when others then NULl;

end;

execute immediate 'create table SD\_tbl\_IPL\_Matchresult(

Team1 number,

Runs\_scored1 number,

Overs1 float,

Wickets1 number,

Team2 number,

Runs\_scored2 number,

Overs2 float,

Wickets2 number,

Remarks varchar2(100),

Home\_id number,

Away\_id number,

M\_type varchar(2)

)';

end SD\_sp\_tbl\_IPL;

-- execute create procedure

exec SD\_sp\_tbl\_IPL;

--insert and update package

create or replace package SD\_pakg\_IPl\_insert

as

procedure SD\_sp\_insert\_IPL(team\_id number, team\_name varchar2, team\_short varchar2);

procedure SD\_sp\_matchresult(Team1\_Id number, Runs1 number, wickets1 number, overs1 float, Team2\_Id number, Runs2 number, wickets2 number ,overs2 float, dls number, match\_type varchar2, home\_id number);

function SD\_fn\_runrate(Team\_id number) return float;

function SD\_fn\_played(id1 number) return number;

function SD\_fn\_leaguetable(id1 number,Colm varchar2) return number;

function SD\_fn\_winner(h\_id number, a\_id number) return varchar2;

function SD\_fn\_progtable(id1 number , Colm varchar2) return varchar2;

end;

/

create or replace package body SD\_pakg\_IPl\_insert

as

--procedure for insert into table

procedure SD\_sp\_insert\_IPL(team\_id number, team\_name varchar2, team\_short varchar2)

as

begin

insert into SD\_tbl\_IPL values(team\_id, team\_short, team\_name);

commit;

end SD\_sp\_insert\_IPL;

-- proc for match results

procedure SD\_sp\_matchresult(Team1\_Id number, Runs1 number, wickets1 number, overs1 float, Team2\_Id number, Runs2 number, wickets2 number ,overs2 float, dls number, match\_type varchar2, home\_id number)

as

remarks varchar2(50);

Team1\_name VARCHAR2(50);

Team2\_name VARCHAR2(50);

away\_id number;

begin

if home\_id=Team1\_id

then away\_id:=Team2\_id;

elsif home\_id=0

then away\_id:=0;

else

away\_id:=Team1\_id;

end if;

select team\_name into Team1\_name from SD\_tbl\_IPL where team\_Id=Team1\_Id;

select team\_name into Team2\_name from SD\_tbl\_IPL where team\_Id=Team2\_Id;

if Runs1>Runs2 then remarks:= Team1\_name||' won by '''||(Runs1-Runs2)||''' runs';

elsif Runs1<Runs2 then remarks:= Team2\_name||' won by '''||(10-wickets2)||''' wickets';

end if;

IF dls=1 THEN

remarks:=concat(remarks,'(DLS METHOD)');

END IF;

insert into SD\_tbl\_IPL\_Matchresult values(Team1\_id, Runs1, overs1, wickets1, Team2\_id, Runs2, overs2, wickets2, remarks, home\_id, away\_id, match\_type);

commit;

end SD\_sp\_matchresult;

-- function for played

function SD\_fn\_played(id1 number)

return number

as

total\_p number;

name varchar2(50);

begin

select count(\*) into total\_p from SD\_tbl\_IPL\_Matchresult where M\_type='L' and (Team1=id1 or Team2=id1);

return total\_p;

end;

-- function for league and progression table

function SD\_fn\_leaguetable(id1 number , Colm varchar2)

return number

as

name varchar2(50);

win number;

lose number;

tie number;

nr number;

pts number;

cnum number;

type progress IS VARRAY(15) OF INTEGER;

games progress;

i number;

begin

i:=0;

games:= progress(0,0,0,0,0,0,0,0,0,0,0,0,0,0,0);

win:=0;

lose:=0;

tie:=0;

nr:=0;

pts:=0;

FOR f IN (select \* from SD\_tbl\_IPL\_Matchresult where M\_type='L' and (Team1=id1 or Team2=id1))

loop

if f.Team1=id1 then

i:=i+1;

if f.Runs\_scored1>f.Runs\_scored2

then win:= win+1;

games(i+1):= games(i)+2;

elsif f.Runs\_scored1<f.Runs\_scored2

then lose:=lose+1;

games(i+1):= games(i)+0;

elsif f.Runs\_scored1=f.Runs\_scored2

then tie:= tie+1;

games(i+1):= games(i)+1;

else

nr :=nr+1;

games(i+1):= games(i)+0;

end if;

elsif f.Team2=id1 then

i:=i+1;

if f.Runs\_scored2>f.Runs\_scored1

then win:= win+1;

games(i+1):= games(i)+2;

elsif f.Runs\_scored2<f.Runs\_scored1

then lose:=lose+1;

games(i+1):= games(i)+0;

elsif f.Runs\_scored1=f.Runs\_scored2

then tie:= tie+1;

games(i+1):= games(i)+1;

else

nr :=nr+1;

games(i+1):= games(i)+0;

end if;

end if;

end loop;

pts:=win\*2+tie\*1;

if Colm='W' then

return win;

elsif Colm='L' then

return lose;

elsif Colm='T' then

return tie;

elsif Colm='NR' then

return nr;

elsif Colm='PTS' then

return pts;

else

cnum:=to\_number(Colm,'99');

return games(cnum+1);

end if;

end SD\_fn\_leaguetable;

--function for league progression Q1,E,Q2,F

function SD\_fn\_progtable(id1 number , Colm varchar2)

return varchar2

as

Q1 varchar2(1);

Q2 varchar2(1);

Fi varchar2(1);

name varchar2(50);

begin

FOR f IN(select \* from SD\_tbl\_IPL\_Matchresult where M\_type!='L' and (Team1=id1 or Team2=id1))

Loop

if f.M\_type='Q1' or f.M\_type='E' then

if f.Team1=id1 then

if f.Runs\_scored1>f.Runs\_scored2

then Q1:='W';

else

Q1:='L';

end if;

elsif f.Team2=id1 then

if f.Runs\_scored1<f.Runs\_scored2

then Q1:='W';

else

Q1:='L';

end if;

end if;

elsif f.M\_type='Q2' then

if f.Team1=id1 then

if f.Runs\_scored1>f.Runs\_scored2

then Q2:='W';

else

Q2:='L';

end if;

elsif f.Team2=id1 then

if f.Runs\_scored1<f.Runs\_scored2

then Q2:='W';

else

Q2:='L';

end if;

end if;

else

if f.Team1=id1 then

if f.Runs\_scored1>f.Runs\_scored2

then Fi:='W';

else

Fi:='L';

end if;

ELSIF f.Team2=id1 then

if f.Runs\_scored1<f.Runs\_scored2

then Fi:='W';

else

Fi:='L';

end if;

end if;

end if;

end loop;

if Colm='Q1' then

return Q1;

elsif Colm='Q2' then

return Q2;

else

return Fi;

end if;

end SD\_fn\_progtable;

-- function for runrate

function SD\_fn\_runrate(Team\_id number)

return float

as

Tid number;

runrate number;

team\_run number;

team\_runagainst number;

team\_balls number;

teamagainst\_balls number;

netrunrate float;

begin

team\_run:=0;

team\_runagainst:=0;

team\_balls:=0;

teamagainst\_balls:=0;

teamagainst\_balls:=0;

Tid:= Team\_id;

select sum(rs) into team\_run from(

select sum(Runs\_scored1)as rs from SD\_tbl\_IPL\_Matchresult where Team1=Tid and M\_type='L'

union all

select sum(Runs\_scored2)as rs from SD\_tbl\_IPL\_Matchresult where Team2=Tid and M\_type='L');

select sum(rs) into team\_runagainst from(

select sum(Runs\_scored1)as rs from SD\_tbl\_IPL\_Matchresult where Team2=Tid and M\_type='L'

union all

select sum(Runs\_scored2)as rs from SD\_tbl\_IPL\_Matchresult where Team1=Tid and M\_type='L');

select sum(balls) into team\_balls from(

select sum(trunc(Overs1/1))\*6 + Sum(Ltrim(Mod(Overs1,1),'.')) as balls from SD\_tbl\_IPL\_Matchresult where Team1=Tid and Wickets1<10 and M\_type='L'

union all

select sum(trunc(Overs2/1))\*6 + Sum(Ltrim(Mod(Overs2,1),'.')) as balls from SD\_tbl\_IPL\_Matchresult where Team2=Tid and Wickets2<10 and M\_type='L'

union all

select sum(120) as balls from SD\_tbl\_IPL\_Matchresult where Team1=Tid and Wickets1=10 and M\_type='L'

union all

select sum(120) as balls from SD\_tbl\_IPL\_Matchresult where Team2=Tid and Wickets2=10 and M\_type='L');

select sum(balls) into teamagainst\_balls from(

select sum(trunc(Overs1/1))\*6 + Sum(Ltrim(Mod(Overs1,1),'.')) as balls from SD\_tbl\_IPL\_Matchresult where Team2=Tid and Wickets1<10 and M\_type='L'

union all

select sum(trunc(Overs2/1))\*6 + Sum(Ltrim(Mod(Overs2,1),'.')) as balls from SD\_tbl\_IPL\_Matchresult where Team1=Tid and Wickets2<10 and M\_type='L'

union all

select sum(120) as balls from SD\_tbl\_IPL\_Matchresult where Team2=Tid and Wickets1=10 and M\_type='L'

union all

select sum(120) as balls from SD\_tbl\_IPL\_Matchresult where Team1=Tid and Wickets2=10 and M\_type='L');

netrunrate:=round(((team\_run/team\_balls)-(team\_runagainst/teamagainst\_balls))\*6,3);

return netrunrate;

end SD\_fn\_runrate;

-- function to fin winner for match summary

function SD\_fn\_winner(h\_id number, a\_id number)

return varchar2

as

s\_name varchar2(5);

begin

For f in (select \* from SD\_tbl\_IPL\_Matchresult join where Home\_id=h\_id and Away\_id=a\_id and M\_type='L')

loop

if (f.Runs\_scored1 > f.Runs\_scored2) then

select team\_short into s\_name from SD\_tbl\_IPL where team\_id=f.Team1;

else

select team\_short into s\_name from SD\_tbl\_IPL where team\_id=f.Team2;

end if;

end loop;

return s\_name;

end SD\_fn\_winner;

end SD\_pakg\_IPl\_insert;

/

-- execute for insert in table

exec SD\_pakg\_IPL\_insert.SD\_sp\_insert\_IPL(1 ,'Chennai Super Kings', 'CSK');

exec SD\_pakg\_IPL\_insert.SD\_sp\_insert\_IPL(2 ,'Delhi Daredevils', 'DD');

exec SD\_pakg\_IPL\_insert.SD\_sp\_insert\_IPL(3 ,'Kings XI Punjab', 'KXIP');

exec SD\_pakg\_IPL\_insert.SD\_sp\_insert\_IPL(4 ,'Kolkata Knight Riders', 'KKR');

exec SD\_pakg\_IPL\_insert.SD\_sp\_insert\_IPL(5 ,'Mumbai Indians', 'MI');

exec SD\_pakg\_IPL\_insert.SD\_sp\_insert\_IPL(6 ,'Rajasthan Royals', 'RR');

exec SD\_pakg\_IPL\_insert.SD\_sp\_insert\_IPL(7 ,'Royal Challengers Banglore', 'RCB');

exec SD\_pakg\_IPL\_insert.SD\_sp\_insert\_IPL(8 ,'Sunrisers Hyderbad', 'SRH');

-- execute for insert in table

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(5,165,4,20,1,169,9,19.5,0,'L',5);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(2,166,7,20,3,167,4,18.5,0, 'L',3);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(7,176,7,20,4,177,6,18.5,0, 'L',4);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(6,125,9,20,8,127,1,15.5,0, 'L',8);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(4,202,6,20,1,205,5,19.5,0, 'L',1);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(6,70,5,6.0,2,60,4,6,1, 'L',6);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(5,147,8,20,8,151,9,20,0, 'L',8);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(3,155,10,19.2,7,159,6,19.3,0, 'L', 7);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(5,194,7,20,2,195,3,20,0, 'L',5);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(4,138,8,20,8,139,5,19,0, 'L',4);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(6,217,4,20,7,198,6,20,0, 'L',7);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(3,197,7,20,1,193,5,20,0, 'L',3);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(4,200,9,20,2,129,10,14.2,0, 'L',4);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(5,213,6,20,7,167,8,20,0, 'L',5);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(6,160,8,20,4,163,3,18.5,0, 'L',6);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(3,193,3,20,8,178,4,20,0, 'L',3);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(1,204,5,20,6,140,10,18.3,0, 'L',1);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(4,124,7,13,3,126,1,11.1,1, 'L',4);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(2,174,5,20,7,176,4,18,0, 'L',7);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(1,182,3,20,8,178,6,20,0, 'L',8);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(5,167,7,20,6,168,7,19.4,0, 'L',6);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(3,143,8,20,2,139,8,20,0, 'L',2);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(8,118,10,18.4,5,87,10,18.5,0, 'L',5);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(7,205,8,20,1,207,5,19.4,0, 'L',7);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(8,132,6,20,3,119,10,19.2,0, 'L',8);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(2,219,4,20,4,164,9,20,0, 'L',2);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(1,169,5,20,5,170,2,19.4,0, 'L',1);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(8,151,7,20,6,140,6,20,0, 'L',6);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(7,175,4,20,4,176,4,19.1,0, 'L',7);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(1,211,4,20,2,198,5,20,0, 'L',1);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(7,167,7,20,5,153,7,20,0, 'L',7);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(2,150,6,12.0,6,146,5,12,1, 'L',2);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(1,177,5,20,4,180,4,17.4,0, 'L',4);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(3,174,6,20,5,176,4,19,0, 'L',3);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(7,127,9,20,1,128,4,18,0, 'L',1);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(2,163,5,20,8,164,3,19.5,0, 'L',8);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(5,181,4,20,4,168,6,20,0, 'L',5);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(6,152,9,20,3,155,4,18.4,0, 'L',3);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(8,146,10,20,7,141,6,20,0, 'L',8);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(6,158,8,20,3,143,7,20,0, 'L',6);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(5,210,6,20,4,108,10,18.1,0, 'L',4);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(2,187,5,20,8,191,1,18.5,0, 'L',2);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(1,176,4,20,6,177,6,19.5,0, 'L',6);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(4,245,6,20,3,214,8,20,0, 'L',3);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(2,181,4,20,7,187,5,19,0, 'L',2);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(8,179,4,20,1,180,2,19,0, 'L',1);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(5,168,6,20,6,171,3,18,0, 'L',5);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(3,88,10,15.1,7,92,0,8.1,0, 'L',3);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(6,142,10,19,4,145,4,18,0, 'L',4);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(5,186,8,20,3,183,5,20,0, 'L',5);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(7,218,6,20,8,204,3,20,0, 'L',7);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(2,162,5,20,1,128,6,20,0, 'L',2);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(6,164,5,20,7,134,10,19.2,0, 'L',6);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(8,172,9,20,4,173,5,19.2,0, 'L',8);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(2,174,4,20,5,163,10,19.3,0, 'L',2);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(3,153,10,19.4,1,159,5,19.1,0, 'L',1);

--- exec for eliminator, qualifier and final

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(8,139,7,20,1,140,8,19.1,0, 'Q1',0);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(4,169,7,20,6,144,4,20,0, 'E',0);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(8,174,7,20,4,160,9,20,0, 'Q2',0);

exec SD\_pakg\_IPl\_insert.SD\_sp\_matchresult(8,178,6,20,1,181,2,18.3,0, 'F',0);

-- select statement

select \* from SD\_tbl\_IPL;

select \* from SD\_tbl\_IPL\_Matchresult;

--truncate table

truncate table SD\_tbl\_IPL;

truncate table SD\_tbl\_IPL\_Matchresult;

--create or replace view SD\_league\_progression as

create or replace view SD\_league\_progression as

select team\_name as League

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'1') as "1"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'2') as "2"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'3') as "3"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'4') as "4"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'5') as "5"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'6') as "6"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'7') as "7"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'8') as "8"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'9') as "9"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'10') as "10"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'11') as "11"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'12') as "12"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'13') as "13"

,Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'14') as "14"

,Sd\_pakg\_IPL\_insert.SD\_fn\_progtable(team\_id,'Q1') as "Q1E"

,Sd\_pakg\_IPL\_insert.SD\_fn\_progtable(team\_id,'Q2') as Q2

,Sd\_pakg\_IPL\_insert.SD\_fn\_progtable(team\_id,'F') as "F"

from SD\_tbl\_IPL;

SELECT \* FROM SD\_league\_progression;

create or replace view SD\_Match\_Table as

select team\_name as Name

, SD\_pakg\_IPl\_insert.SD\_fn\_played(team\_id)as Pld

, Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id, 'W') as W

, Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id, 'L')as L

, Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id, 'T')as T

, Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'NR')as NR

, Sd\_pakg\_IPL\_insert.SD\_fn\_leaguetable(team\_id,'PTS')as PTS

, Sd\_pakg\_IPL\_insert.SD\_fn\_runrate(team\_id) as NRR

from SD\_tbl\_IPL

order by PTS desc, NRR DESC;

SELECT \* from SD\_Match\_Table;

create or replace view SD\_match\_summary as

WITH x AS (

SELECT \* FROM(

select h.Home\_team, a.Away\_team , Sd\_pakg\_IPL\_insert.SD\_fn\_winner(h.Home\_id, a.Away\_id) as winner from (SELECT row\_number() over(order by 1) as rw,a.team\_name as Home\_Team,b.Home\_id from SD\_tbl\_IPL\_Matchresult b join SD\_tbl\_IPL a on a.team\_id=b.Home\_id) h join

(SELECT row\_number() over(order by 1) as rw, a.team\_short as Away\_Team,b.Away\_id from SD\_tbl\_IPL\_Matchresult b join SD\_tbl\_IPL a on a.team\_id=b.Away\_id) a on a.rw=h.rw

)

pivot( Max(winner) FOR Away\_team IN ('CSK' AS CSK,'DD' AS DD,'KXIP' AS KXIP,'KKR' AS KKR,'MI' AS MI,'RR' AS RR,'RCB' AS RCB,'SRH' as SRH, 'Null' AS "NULL", 'Null' AS "NULL1", 'Null' AS "NULL2", 'Null' AS "NULL3", 'Null' AS "NULL4", 'Null' AS "NULL5", 'Null' AS "NULL6", 'Null' AS "NULL7", 'Null' AS "NULL8")))

SELECT \* FROM x ORDER BY Home\_Team;

select \* from SD\_match\_summary;

--- create views after union

create or replace view SD\_tables\_view as

select rownum as rw,a.\* from(

select '' as " ",''as " ",''as " ",''as " ",'Group' as "Group",'Matches' as Matches,''as " ",''as " ",''as " ",''as " ",''as " ",''as " ",''as " ",''as " ",''as " ",''as PlayOffs,''as " ",''as " " from dual where 1=2

union all

select 'League progression','1','2','3','4','5','6','7','8','9','10','11','12','13','14','Q1\E','Q2','F' from dual

union all

SELECT League,

To\_Char("1") as "1",

To\_Char("2") as "2",

To\_Char("3") as "3",

To\_Char("4") as "4",

To\_Char("5") as "5",

To\_Char("6") as "6",

To\_Char("7") as "7",

To\_Char("8") as "8",

To\_Char("9") as "9",

To\_Char("10") as "10",

To\_Char("11") as "11",

To\_Char("12") as "12",

To\_Char("13") as "13",

To\_Char("14") as "14",

"Q1E",

Q2,

"F"

from SD\_league\_progression

UNION ALL

select '','','','','','','','','','','','','','','','','','' from dual

Union ALL

SELECT 'Match summary', 'CSK', 'DD', 'KXIP', 'KKR', 'MI','RR', 'RCB', 'SRH','','','','','','','','','' FROM dual

UNION ALL

SELECT \* FROM SD\_match\_summary

UNION ALL

select '','','','','','','','','','','','','','','','','','' from dual

Union ALL

select '','','','','','','','','','','','','','','','','','' from dual

Union ALL

select 'League Table','', '', '', '', '', '','','','','','','','','','','','' FROM dual

Union all

SELECT 'Team', 'PLD', 'W', 'L', 'T', 'NR', 'PTS','NRR','','','','','','','','','','' FROM dual

UNION ALL

SELECT Name, To\_Char(PLD), To\_Char(W), To\_Char(L), To\_Char(T), To\_Char(NR), To\_Char(PTS),To\_Char(NRR),'','','','','','','','','','' FROM SD\_Match\_Table

) a;

select \* from SD\_tables\_view;

-- view of vs table

create or replace view SD\_vsview as

select rownum as rc,Team1,v,Team2,Remarks from(

SELECT rownum as rn,Team1,'v'as v, Team2, Remarks FROM

((SELECT ROWNUM AS rw,b.team\_name AS Team1 FROM SD\_tbl\_IPL\_Matchresult a JOIN SD\_tbl\_IPL b ON a.Team1=b.team\_id) x

JOIN

(SELECT ROWNUM AS rw, b.team\_name AS Team2, Remarks As Remarks FROM SD\_tbl\_IPL\_Matchresult a JOIN SD\_tbl\_IPL b ON a.Team2=b.team\_id) y ON x.rw=y.rw)

union

select rownum as rn, Runs\_scored1||'/'||Wickets1||'('||Overs1||' overs)' as Score1,'',Runs\_scored2||'/'||Wickets2||'('||Overs2||' overs)' as Score2,'' from SD\_tbl\_IPL\_Matchresult

union

select rownum as rn,'','','',''from SD\_tbl\_IPL\_Matchresult

)

order by rn, Team1 desc;

select \* from SD\_vsview;

--view of match result

create or replace view SD\_matchresult

AS

select rownum as rw,a.\* from(

select '' as " ",'' as " ",'' as "MatchResultsLeague",'' as " " from dual where 1=2

union all

select Team1,v,Team2,Remarks from SD\_vsview where rc!=3)a;

select \* from SD\_matchresult;

--view of match result second part

create or replace view SD\_matchresult\_second as

select rownum as rw,a.\* from(

select '' as " ",'' as " " ,'' as "MatchResultsLeague",'' as " " from dual where 1=2

union all

select a." ",a." ",a. "MatchResultsLeague",a." " from SD\_matchresult a where rw>=85)a;

--view for the center-top

create or replace view SD\_centertopview as

select a." ",a." ",a." "

,b." " as " "

,b." " as " "

,b." " as " "

,b." " as " "

,b."Group" as "Group"

,b.Matches as Matches

,b." " as " "

,b." " as " "

,b." " as " "

,b." " as " "

,b." " as " "

,b." " as " "

,b." " as " "

,b." " as " "

,b." " as " "

,b.PlayOffs as PlayOffs

,b." " as " "

,b." " as " "

,c." " as " "

from(

(select rownum as rw, '' as " ",'' as " ",'' as " " from dual)a

right join

(select \* from SD\_tables\_view)b

on a.rw=b.rw

left join

(select rownum as rw, '' as " " from dual)c

on b.rw=c.rw

);

select \* from SD\_centertopview;

-- view for the centerview

create or replace view SD\_centerview

AS

SELECT \* from(

select rownum as rw,z.\* from (

select \* from SD\_centertopview

union all

select '','','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','P','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','','','Qualifier-1','','','','','','','','','','','','','','','','','','' from dual

union all

select '','L','',team\_name,to\_char(Runs\_scored1||'/'||Wickets1||'('||Overs1||')'),'','','','','','','','','','','','','','','','','' from(select a.team\_name,b.Runs\_scored1,b.Wickets1,b.Overs1 from SD\_tbl\_IPL a join SD\_tbl\_IPL\_Matchresult b on b.Team1=a.team\_id where M\_type='Q1')

union all

select '','','',team\_name,to\_char(Runs\_scored2||'/'||Wickets2||'('||Overs2||')'),'','','','','','','','','','','','','','','','','' from(select a.team\_name,b.Runs\_scored2,b.Wickets2,b.Overs2 from SD\_tbl\_IPL a join SD\_tbl\_IPL\_Matchresult b on b.Team2=a.team\_id where M\_type='Q1')

union all

select '','A','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','','','','','','','','Q2','','','','','','','','','','','','','' from dual

union all

select '','Y','','','','','','',team\_short,to\_char(Runs\_scored1||'/'||Wickets1||'('||Overs1||')'),'','','','','','','','','','','','' from(select a.team\_short,b.Runs\_scored1,b.Wickets1,b.Overs1 from SD\_tbl\_IPL a join SD\_tbl\_IPL\_Matchresult b on b.Team1=a.team\_id where M\_type='Q2')

union all

select '','','','','','','','',team\_short,to\_char(Runs\_scored2||'/'||Wickets2||'('||Overs2||')'),'','','','','','','','','','','','' from(select a.team\_short,b.Runs\_scored2,b.Wickets2,b.Overs2 from SD\_tbl\_IPL a join SD\_tbl\_IPL\_Matchresult b on b.Team2=a.team\_id where M\_type='Q2')

union all

select '','O','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','F','','Eliminator','','','','','','','','','','','','','','','','','','' from dual

union all

select '','','',team\_name,to\_char(Runs\_scored1||'/'||Wickets1||'('||Overs1||')'),'','','','','','','','','','','','','','','','','' from(select a.team\_name,b.Runs\_scored1,b.Wickets1,b.Overs1 from SD\_tbl\_IPL a join SD\_tbl\_IPL\_Matchresult b on b.Team1=a.team\_id where M\_type='E')

union all

select '','F','',team\_name,to\_char(Runs\_scored2||'/'||Wickets2||'('||Overs2||')'),'','','','','','','','','','','','','','','','','' from(select a.team\_name,b.Runs\_scored2,b.Wickets2,b.Overs2 from SD\_tbl\_IPL a join SD\_tbl\_IPL\_Matchresult b on b.Team2=a.team\_id where M\_type='E')

union all

select '','','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','S','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','F','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','I','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','N','',team\_name,to\_char(Runs\_scored2||'/'||Wickets2||'('||Overs2||')'),'','','','','','','','','','','','','','','','','' from(select a.team\_name,b.Runs\_scored2,b.Wickets2,b.Overs2 from SD\_tbl\_IPL a join SD\_tbl\_IPL\_Matchresult b on b.Team2=a.team\_id where M\_type='F')

union all

select '','A','',team\_name,to\_char(Runs\_scored1||'/'||Wickets1||'('||Overs1||')'),'','','','','','','','','','','','','','','','','' from(select a.team\_name,b.Runs\_scored1,b.Wickets1,b.Overs1 from SD\_tbl\_IPL a join SD\_tbl\_IPL\_Matchresult b on b.Team1=a.team\_id where M\_type='F')

union all

select '','L','','','','','','','','','','','','','','','','','','','','' from dual

union all

select '','','','','','','','','','','','','','','','','','','','','','' from dual

)z);

select \* from SD\_centerview;

--view entire project

create or replace view SD\_IPL\_project as

select x." " as " ",

x." " as " ",

x."MatchResultsLeague",

x." " as " ",

z." "

,z." "

,z." "

,z." "

,z." "

,z." "

,z." "

,z."Group"

,z.Matches

,z." "

,z." "

,z." "

,z." "

,z." "

,z." "

,z." "

,z." "

,z." "

,z.PlayOffs

,z." "

,z." "

,z." "

,y." " as " ",

y." " as " ",

y."MatchResultsLeague" as " MatchResultsLeague",

y." " as " "

from(

(select \* from SD\_matchresult where rw<=85)x

left join

(select \* from SD\_centerview)z

on x.rw=z.rw

join

(select \* from SD\_matchresult\_second)y

on x.rw=y.rw

);

-- ALL tables using single select statement

SELECT \* FROM SD\_IPL\_project;