1)Select b.player\_id,b.player\_name,b.No\_of\_wins,a.No\_of\_loses,c.player\_ht, round(b.No\_of\_wins/(b.No\_of\_wins+a.No\_of\_loses),2) as winprob from ((Select player\_name, player\_id, count(winner\_id) as No\_of\_wins from(Select \* from player\_info join atpMatch natural join tournament\_info on player\_id = winner\_id ) as a group by player\_name)as b

inner join (Select player\_name, player\_id, count(loser\_id) as No\_of\_loses from(Select \* from player\_info join atpMatch natural join tournament\_info on player\_id = loser\_id) as a group by player\_name)as a inner join (Select player\_name, player\_id, player\_ht from player\_info join atpMatch natural join tournament\_info on player\_id=winner\_id

union

Select player\_name, player\_id, player\_ht from player\_info join atpMatch natural join tournament\_info on player\_id=loser\_id)as c) where b.player\_id = a.player\_id and c.player\_id = a.player\_id and c.player\_ht is not NULL;

Table

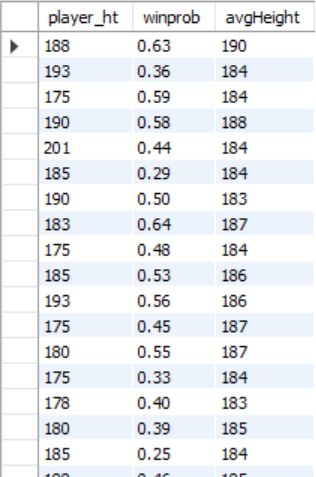
Description automatically generated

2) Select z.player\_ht,z.winprob, round(avg(player\_ht),0) as avgHeight from(Select c.player\_ht, round(b.No\_of\_wins/(b.No\_of\_wins+a.No\_of\_loses),2) as winprob from ((Select player\_name, player\_id, count(winner\_id) as No\_of\_wins from(Select \* from player\_info join atpMatch natural join tournament\_info on player\_id = winner\_id ) as a group by player\_name)as b

inner join (Select player\_name, player\_id, count(loser\_id) as No\_of\_loses from(Select \* from player\_info join atpMatch natural join tournament\_info on player\_id = loser\_id) as a group by player\_name)as a inner join (Select player\_name, player\_id, player\_ht from player\_info join atpMatch natural join tournament\_info on player\_id=winner\_id

union

Select player\_name, player\_id, player\_ht from player\_info join atpMatch natural join tournament\_info on player\_id=loser\_id)as c) where b.player\_id = a.player\_id and c.player\_id = a.player\_id) as z where z.player\_ht is not NULL group by z.winprob;



3)Select round,surface,count(winner\_id), sum(w\_svpt), sum(w\_bpFaced), sum(w\_SvGms), avg(w\_ace) from tournament\_info natural join atpMatch join player\_info on player\_id = winner\_id where player\_name like "%Rafael%Nadal%" and MatchDate between "2010%" and "2012%" and round in("F", "QF" , "SF") group by surface;

Graphical user interface, application

Description automatically generated

4) Select round,surface,count(winner\_id), sum(w\_svpt), sum(w\_bpFaced), sum(w\_SvGms), avg(w\_ace) from tournament\_info natural join atpMatch join player\_info on player\_id = winner\_id where player\_name like "%David%Ferrer%" and MatchDate between "2010%" and "2012%" and round in("F", "QF" , "SF") group by surface;

Graphical user interface, application

Description automatically generated

5) Select round,surface,count(loser\_id), sum(l\_svpt), sum(l\_bpFaced), sum(l\_SvGms), avg(l\_ace) from tournament\_info natural join atpMatch join player\_info on player\_id = loser\_id where player\_name like "%Rafael%Nadal%" and MatchDate between "2010%" and "2012%" and round in("F", "QF" , "SF") group by surface;

Graphical user interface, application

Description automatically generated

6) Select round,surface,count(loser\_id), sum(l\_svpt), sum(l\_bpFaced), sum(l\_SvGms), avg(l\_ace) from tournament\_info natural join atpMatch join player\_info on player\_id = loser\_id where player\_name like "%David%Ferrer%" and MatchDate between "2010%" and "2012%" and round in("F", "QF" , "SF") group by surface;

Graphical user interface, text, application

Description automatically generated

7) Select b.player\_name,b.No\_of\_wins,a.No\_of\_loses, (b.No\_of\_wins/(b.No\_of\_wins+a.No\_of\_loses))\*100 as winperc from ((Select player\_name, player\_id, count(winner\_id) as No\_of\_wins from(Select \* from player\_info join atpMatch natural join tournament\_info on player\_id = winner\_id where MatchDate between "2010%" and "2012%" and player\_name like "%Rafael%Nadal%" and surface like "hard" and round in ("F", "QF" , "SF")) as a group by player\_name)as b

inner join (Select player\_name, player\_id, count(loser\_id) as No\_of\_loses from(Select \* from player\_info join atpMatch natural join tournament\_info on player\_id = loser\_id where MatchDate between "2010%" and "2012%" and player\_name like "%Rafael%Nadal%" and surface like "hard" and round in ("F", "QF" , "SF")) as a group by player\_name)as a inner join (Select player\_name, player\_id, player\_ht from player\_info join atpMatch natural join tournament\_info on player\_id=winner\_id

union

Select player\_name, player\_id, player\_ht from player\_info join atpMatch natural join tournament\_info on player\_id=loser\_id)as c) where b.player\_id = a.player\_id and c.player\_id = a.player\_id ;

Graphical user interface, text, application

Description automatically generated

8) Select b.player\_name,b.No\_of\_wins,a.No\_of\_loses, round((b.No\_of\_wins/(b.No\_of\_wins+a.No\_of\_loses))\*100,0) as winperc from ((Select player\_name, player\_id, count(winner\_id) as No\_of\_wins from(Select \* from player\_info join atpMatch natural join tournament\_info on player\_id = winner\_id where MatchDate between "2010%" and "2012%" and player\_name like "%David%Ferrer%" and surface like "hard" and round in ("F", "QF" , "SF")) as a group by player\_name)as b

inner join (Select player\_name, player\_id, count(loser\_id) as No\_of\_loses from(Select \* from player\_info join atpMatch natural join tournament\_info on player\_id = loser\_id where MatchDate between "2010%" and "2012%" and player\_name like "%David%Ferrer%" and surface like "hard" and round in ("F", "QF" , "SF")) as a group by player\_name)as a inner join (Select player\_name, player\_id, player\_ht from player\_info join atpMatch natural join tournament\_info on player\_id=winner\_id

union

Select player\_name, player\_id, player\_ht from player\_info join atpMatch natural join tournament\_info on player\_id=loser\_id)as c) where b.player\_id = a.player\_id and c.player\_id = a.player\_id ;

Graphical user interface, application

Description automatically generated

9) Select \* from (Select a.winner\_name,b.player\_name as loser\_name,a.NewDate,a.Round,a.Tournament,a.WRank,a.Lrank,a.PSL, a.PSW, a.B365L,a.B365W from(Select \*,player\_name as winner\_name,LID as loser\_id from(Select \* from bettingDatat join tournament\_info on TID= tourney\_id where NewDate like "2013%" and Tournament like "BNP%" )as p, player\_info as t where p.WID= t.player\_id) as a, player\_info as b where a.loser\_id= b.player\_id) as z where z.winner\_name in ("David Ferrer", "Rafael Nadal") or z.loser\_name in ("David Ferrer", "Rafael Nadal") ;

